

Sample ID code	HCH-alpha ug kg-1	HCH-beta ug kg-1	HCH -delta ug kg-1	hexachlorobuta diene ug kg-1	Isodrin ug kg-1	TDE-pp ug kg-1	Notes / comments:
DP-01A							
Entry SL-01	0.1	0.1	0.1	0.1	0.5	0.1	
Entry SL-02	0.1	0.1	0.1	0.1	0.5	0.1	
insert more rows as necessary							

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Reference Type	Reference Material	OC %	TEH g kg ⁻¹	Cu mg kg ⁻¹	Zn mg kg ⁻¹	Cd mg kg ⁻¹	Hg mg kg ⁻¹	Pb mg kg ⁻¹	As mg kg ⁻¹	Cr mg kg ⁻¹	Mn mg kg ⁻¹	Ni mg kg ⁻¹	Li mg kg ⁻¹	Al mg kg ⁻¹	DBT mg kg ⁻¹	TBT mg kg ⁻¹
CRM (meas)				32.7	156	0.25	0.831	21.5	2.8	7.0		44.5	76.6			
CRM (certified value)				33.0/-	150/-8	0.24/-	0.001/-	21.1/-	21.2/-	1.5/-4		46.0/-	73.6/-			
Blank	Blank			1.6		0.01	0.000	0.7	1.1			2.2	5.2			
CRM (meas)																
CRM (certified value)																

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Reference Type	Σ TBT + DBT mg kg ⁻¹	PCB 028 ug kg ⁻¹	PCB 052 ug kg ⁻¹	PCB 101 ug kg ⁻¹	PCB 138 ug kg ⁻¹	PCB 153 ug kg ⁻¹	PCB 180 ug kg ⁻¹	PCB 118 ug kg ⁻¹	PCB ≥7 PCB ug kg ⁻¹	PAH Acenaphthene ug kg ⁻¹	PAH Acenaphthylene ug kg ⁻¹	PAH Anthracene ug kg ⁻¹
CRM (meas)		0.37 0.57	0.418 0.67	0.445 0.52	0.454 0.6	0.508 0.56	0.228 0.26	0.45 0.52		7.88 6	2.66 6.4	12 11
CRM (certified value)		0.28	0.25	0.16	0.315	0.00	0.10	0.21		4.0	5.4	5.1
Blank												
CRM (meas)												
CRM (certified value)												

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Reference Type	PAH Benzo (a) anthracene ug kg ⁻¹	PAH Benzo (a) pyrene ug kg ⁻¹	PAH Benzo (b) fluoranthene ug kg ⁻¹	PAH Benzo (ghi) perylene ug kg ⁻¹	PAH Benzo (k) fluoranthene ug kg ⁻¹	PAH Chrysene ug kg ⁻¹	PAH Dibenz (a,h) anthracene ug kg ⁻¹	PAH Flourene ug kg ⁻¹	PAH Fluoranthene ug kg ⁻¹
CRM (meas)	56.4	63.0	8.8	13	44.4	46.3	12.0	11.2	11.0
CRM (certified value)	54 -2	58 -26	1 -42	5 -45	4 -14	58 -26	25 -14	13 -7.7	11 -32
Blank									
CRM (meas)									
CRM (certified value)									

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Reference Type	PAH Indeno (1,2,3-cd) pyrene ug kg ⁻¹	PAH Naphthalene ug kg ⁻¹	PAH Phenanthrene ug kg ⁻¹	PAH Pyrene ug kg ⁻¹	PAH Σ 16 ug kg ⁻¹	Notes / comments:
CRM (meas)	18.3	20.7	83	101		CRM MESS-3 for Metals, CRM IAEA-15 for Organics
CRM (certified value)	120/-34	230/-13	500/-20	1000/-38		
Blank						
CRM (meas)						
CRM (certified value)						

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Bantry Inner Harbour - Phase 1 Development
Environmental Quantitative Risk Assessment

Appendix D – LEIS Hazardous Waste Assessment Data

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Waste Classification Report



LD-PN-7LTME-0077C

Job name

Wallingstone Harbour - Soil Analysis 2015

Waste Stream

Wallingstone Harbour - Soil Samples 2015

Comments

Project

Site

Classified by

Name: O'Dwyer, John
Date: 01/05/2015 12:33 UTC
Telephone: 01246 810100

Company: Lehane Environmental & Industrial
Units 1-2
Wallingstone Ind. Est.
Little Island

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Report

Created by: O'Dwyer, John
Created date: 01/05/2015 12:33 UTC

Job summary

Sample Name	Depth (m)	Classification Result	Hazardous properties	Page
1 H1		Non Hazardous		3
2 H3		Non Hazardous		5
3 H4		Non Hazardous		7
4 H5		Non Hazardous		
5 H6		Non Hazardous		11
6 GS1		Non Hazardous		13
7 GS13		Non Hazardous		15
8 GS16		Non Hazardous		16
9 GS17		Non Hazardous		17
10 GS18		Non Hazardous		18
11 GS1		Non Hazardous		20
12 Sample 1		Non Hazardous		23
13 Sample 2		Hazardous	H7	26
14 Sample 3		Non Hazardous		28
15 Sample 4		Non Hazardous		31

Appendices

Appendix A: Classifier defined and non CLP determinands

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Appendices	Page
Appendix A: Notes	35
Appendix C: Version	36

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Classification of sample: BH01

✔ **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: BH01	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 16)

R Danger of cumulative effects

because of determinand:

Lead chromate: (compound conc.: 215)

Determinands (Moisture content: 27, dry weight correction)

- Aluminium Oxide: (Whole conc. entered as: 2124 mg/kg or 1.726)
- Arsenic trioxide: (Cation conc. entered: 8.42 mg/kg, converted to compound conc.: 8.754 mg/kg or 875)
- Cadmium sulphide: (Cation conc. entered: 156 mg/kg, converted to compound conc.: 158 mg/kg or 158, Note 1 conc.: 123)
- Chromium(VI) oxide: (Cation conc. entered: 14 mg/kg, converted to compound conc.: 21.2 mg/kg or 212)
- Copper (I) oxide: (Cation conc. entered: 14.1 mg/kg, converted to compound conc.: 12.5 mg/kg or 125)
- Lead chromate: (Cation conc. entered: 17.5 mg/kg, converted to compound conc.: 21.44 mg/kg or 215, Note 1 conc.: 138)
- lithium: (Whole conc. entered as: 2.3 mg/kg or 16)
- Mercury dichloride: (Cation conc. entered: 23 mg/kg, converted to compound conc.: 245 mg/kg or 245)
- Nickel dihydroxide: (Cation conc. entered: 23.3 mg/kg, converted to compound conc.: 28.78 mg/kg or 28)
- inc chromate: (Cation conc. entered: 6.6 mg/kg, converted to compound conc.: 152.32 mg/kg or 152)
- dibutyltin dilaurate: (Whole conc. entered as: 4 mg/kg or 315) **IGNORED** because: **LOD**
- tri-n-butyltin hydride: (Whole conc. entered as: 131 mg/kg or 13)
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 7.48 mg/kg or 58)

Legend

This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-□ on R1□: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14□ for determinand: Lithium
Test: Additional on R33□ for determinand: Lead chromate

C1□□ Step □, used on:

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Cadmium sulphide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Arsenic trioxide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Chromium(VI) oxide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Copper (I) oxide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Lead chromate
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Mercury dichloride
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Nickel dihydroxide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Zinc chromate
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: tri-n-butyltin hydride
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: TPH (C6 to C4□) Petroleum Group

Note 1 , used on:

Test: H5 on R2□, R21, R22, R65□ for determinand: Cadmium sulphide
Test: H6 on R23, R24, R25□ for determinand: Cadmium sulphide
Test: H7 on R45□ for determinand: Cadmium sulphide
Test: H1□ on R6□, R61□ for determinand: Lead chromate
Test: H1□ on R62, R63□ for determinand: Cadmium sulphide
Test: H11 on R68□ for determinand: Cadmium sulphide
Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Cadmium sulphide

Determinand notes

□□□, used on:

determinand: TPH (C6 to C4□) Petroleum Group

Note 1 , used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A , used on:

determinand: Zinc chromate

Note E , used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: Zinc chromate

Classification of sample: BH0

✔ **Non Hazardous Waste**
Classified as **100**
in the European Waste Catalogue

Sample details

Sample Name: BH0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:




lithium: (conc.: 172)

R Danger of cumulative effects


because of determinand:

Lead chromate: (compound conc.: 243)

Determinands (Moisture content: 63, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 36477 mg/kg or 2.238)
- Arsenic trioxide: (Cation conc. entered: 1.4 mg/kg, converted to compound conc.:8.424 mg/kg or 842)
- Cadmium sulphide: (Cation conc. entered: 482 mg/kg, converted to compound conc.:38 mg/kg or 38, Note 1 conc.: 26)
- Chromium(VI) oxide: (Cation conc. entered: 32 mg/kg, converted to compound conc.:37.754 mg/kg or 378)
- Copper (I) oxide: (Cation conc. entered: 71.6 mg/kg, converted to compound conc.:4.456 mg/kg or 4.5)
- Lead chromate: (Cation conc. entered: 254 mg/kg, converted to compound conc.:243.63 mg/kg or 243, Note 1 conc.: 156)
- lithium: (Whole conc. entered as: 28.1 mg/kg or 172)
- Mercury dichloride: (Cation conc. entered: 576 mg/kg, converted to compound conc.:478 mg/kg or 478)
- Nickel dihydroxide: (Cation conc. entered: 28.3 mg/kg, converted to compound conc.:27.423 mg/kg or 274)
- inc chromate: (Cation conc. entered: 25 mg/kg, converted to compound conc.:44.8 mg/kg or 441)
-  dibutyltin dilaurate: (Whole conc. entered as: 6 mg/kg or 368)
-  tri-n-butyltin hydride: (Whole conc. entered as: 183 mg/kg or 112)
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 234 mg/kg or 144)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-B on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium

Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Determinand notes

C1, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Zinc chromate

Note E, used on:

determinand: Arsenic trioxide


determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Zinc chromate

Classification of sample: BH0

 **Non Hazardous Waste**
Classified as **1000**
in the European Waste Catalogue

Sample details

Sample Name: BH0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:




lithium: (conc.: 145)

R Danger of cumulative effects


because of determinand:

Lead chromate: (compound conc.: 8)

Determinands (Moisture content: 84, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 2484 mg/kg or 1.62)
- Arsenic trioxide: (Cation conc. entered: 13.3 mg/kg, converted to compound conc.: 544 mg/kg or 54)
- Cadmium sulphide: (Cation conc. entered: 758 mg/kg, converted to compound conc.: 52 mg/kg or 52, Note 1 conc.: 412)
- Chromium(VI) oxide: (Cation conc. entered: 24 mg/kg, converted to compound conc.: 26.25 mg/kg or 26)
- Copper (I) oxide: (Cation conc. entered: 1 mg/kg, converted to compound conc.: 55.683 mg/kg or 557)
- Lead chromate: (Cation conc. entered: 16 mg/kg, converted to compound conc.: 8.85 mg/kg or 8, Note 1 conc.: 576)
- lithium: (Whole conc. entered as: 26.6 mg/kg or 145)
- Mercury dichloride: (Cation conc. entered: 1.7 mg/kg, converted to compound conc.: 1.44 mg/kg or 145)
- Nickel dihydroxide: (Cation conc. entered: 21.8 mg/kg, converted to compound conc.: 18.714 mg/kg or 187)
- inc chromate: (Cation conc. entered: 238 mg/kg, converted to compound conc.: 358.83 mg/kg or 35)
-  dibutyltin dilaurate: (Whole conc. entered as: 5 mg/kg or 272) **IGNORED** because: **LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 236 mg/kg or 128)
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 422 mg/kg or 22)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-B on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium

Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Arsenic trioxide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Chromium(VI) oxide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Lead chromate

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Nickel dihydroxide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Zinc chromate

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Determinand notes

C1, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Zinc chromate

Note E, used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Zinc chromate

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Classification of sample: BH0

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

<p>Sample Name: BH0</p> <p>Sample Depth: 0 m</p> <p>Moisture content: 0 (dry weight correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)</p>
--	---

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:




lithium: (conc.: 258)

R Danger of cumulative effects


because of determinand:

Lead chromate: (compound conc.: 57)

Determinands (Moisture content: dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 31374 mg/kg or 3.137)
- Arsenic trioxide: (Cation conc. entered: 13 mg/kg, converted to compound conc.: 13.5 mg/kg or 136)
- Cadmium sulphide: (Cation conc. entered: 218 mg/kg, converted to compound conc.: 28 mg/kg or 28, Note 1 conc.: 218)
- Chromium(VI) oxide: (Cation conc. entered: 13 mg/kg, converted to compound conc.: 37.116 mg/kg or 371)
- Copper (I) oxide: (Cation conc. entered: 23 mg/kg, converted to compound conc.: 22.856 mg/kg or 22)
- Lead chromate: (Cation conc. entered: 38.3 mg/kg, converted to compound conc.: 5741 mg/kg or 57, Note 1 conc.: 383)
- lithium: (Whole conc. entered as: 25.8 mg/kg or 258)
- Mercury dichloride: (Cation conc. entered: 233 mg/kg, converted to compound conc.: 315 mg/kg or 315)
- Nickel dihydroxide: (Cation conc. entered: 25.5 mg/kg, converted to compound conc.: 4277 mg/kg or 43)
- inc chromate: (Cation conc. entered: 72.2 mg/kg, converted to compound conc.: 223 mg/kg or 2)
-  dibutyltin dilaurate: (Whole conc. entered as: 4 mg/kg or 4) **IGNORED** because: **LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 4 mg/kg or 4) **IGNORED** because: **LOD**
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 17 mg/kg or 17)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-□ on R1□: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14□ for determinand: Lithium□

Test: Additional on R33□ for determinand: Lead chromate□

C1□□ Step □, used on:

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Cadmium sulphide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Arsenic trioxide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Chromium(VI) oxide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Copper (I) oxide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Lead chromate□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Mercury dichloride□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Nickel dihydroxide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Inc chromate□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: TPH (C6 to C4□) Petroleum Group□

Note 1 , used on:

Test: H5 on R2□, R21, R22, R65□ for determinand: Cadmium sulphide□

Test: H6 on R23, R24, R25□ for determinand: Cadmium sulphide□

Test: H7 on R45□ for determinand: Cadmium sulphide□

Test: H1□ on R6□, R61□ for determinand: Lead chromate□

Test: H1□ on R62, R63□ for determinand: Cadmium sulphide□

Test: H11 on R68□ for determinand: Cadmium sulphide□

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Cadmium sulphide□

Determinand notes

□□□, used on:

determinand: TPH (C6 to C4□) Petroleum Group□

Note 1 , used on:

determinand: Cadmium sulphide□

determinand: Lead chromate□

Note A , used on:

determinand: Inc chromate□

Note E , used on:

determinand: Arsenic trioxide□

determinand: Cadmium sulphide□

determinand: Chromium(VI) oxide□

determinand: Nickel dihydroxide□

determinand: Inc chromate□

Classification of sample: BH0

✔ **Non Hazardous Waste**
Classified as **100**
in the European Waste Catalogue

Sample details

Sample Name: BH0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 1 (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 388)

R Danger of cumulative effects

because of determinand:

Lead chromate: (compound conc.: 14)

Determinands (Moisture content: 14, dry weight correction)

- Aluminium Oxide: (Whole conc. entered as: 2673 mg/kg or 263)
- Arsenic trioxide: (Cation conc. entered: 8.41 mg/kg, converted to compound conc.: 74 mg/kg or 74)
- Cadmium sulphide: (Cation conc. entered: 7 mg/kg, converted to compound conc.: 81 mg/kg or 81, Note 1 conc.: 63)
- Chromium(VI) oxide: (Cation conc. entered: 21.5 mg/kg, converted to compound conc.: 36.26 mg/kg or 363)
- Copper (I) oxide: (Cation conc. entered: 14.6 mg/kg, converted to compound conc.: 14.41 mg/kg or 144)
- Lead chromate: (Cation conc. entered: 6.68 mg/kg, converted to compound conc.: 14 mg/kg or 14, Note 1 conc.: 586)
- lithium: (Whole conc. entered as: 44.2 mg/kg or 388)
- Mercury dichloride: (Cation conc. entered: 17 mg/kg, converted to compound conc.: 22 mg/kg or 22)
- Nickel dihydroxide: (Cation conc. entered: 53.5 mg/kg, converted to compound conc.: 74.126 mg/kg or 741)
- inc chromate: (Cation conc. entered: 63.3 mg/kg, converted to compound conc.: 154.38 mg/kg or 154)
- dibutyltin dilaurate: (Whole conc. entered as: 786 mg/kg or 68) **IGNORED** because: **LOD**
- tri-n-butyltin hydride: (Whole conc. entered as: 3 mg/kg or 263) **IGNORED** because: **LOD**
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 37.4 mg/kg or 328)

Legend

This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-B on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Determinand notes

C1, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A, used on:

determinand: Zinc chromate

Note E, used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: Zinc chromate

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Classification of sample: S10

Non Hazardous Waste
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: <input type="checkbox"/> S10	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:


lithium: (conc.: 13)

R **Danger of cumulative effects**

because of determinand:

Lead chromate: (compound conc.: 343)

Determinands (Moisture content: 35%, dry weight correction)

 Aluminium Oxide: (Whole conc. entered as: 17388 mg/kg or 1.288)

Arsenic trioxide: (Cation conc. entered: 11.4 mg/kg, converted to compound conc.: 11.14 mg/kg or 111)

Cadmium sulphide: (Cation conc. entered: 26 mg/kg, converted to compound conc.: 248 mg/kg or 248, Note 1 conc.: 13)

Chromium(VI) oxide: (Cation conc. entered: 13.3 mg/kg, converted to compound conc.: 18.46 mg/kg or 18)

Copper (I) oxide: (Cation conc. entered: 33. mg/kg, converted to compound conc.: 28.272 mg/kg or 283)


Lead chromate: (Cation conc. entered: 27 mg/kg, converted to compound conc.: 34.316 mg/kg or 343, Note 1 conc.: 22)


lithium: (Whole conc. entered as: 26 mg/kg or 13)

Mercury dichloride: (Cation conc. entered: 324 mg/kg, converted to compound conc.: 325 mg/kg or 325)

Nickel dihydroxide: (Cation conc. entered: 21.7 mg/kg, converted to compound conc.: 25.38 mg/kg or 254)


inc chromate: (Cation conc. entered: 11 mg/kg, converted to compound conc.: 27.547 mg/kg or 28)

 dibutyltin dilaurate: (Whole conc. entered as: 15 mg/kg or 778) **IGNORED** because: **LOD**

 tri-n-butyltin hydride: (Whole conc. entered as: 2 mg/kg or 148)

TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 78.8 mg/kg or 584)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **orce this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-□ on R1□: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14□ for determinand: Lithium

Test: Additional on R33□ for determinand: Lead chromate

C1□□ Step □ , used on:

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Cadmium sulphide

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Arsenic trioxide

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Chromium(VI) oxide

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Copper (I) oxide

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Lead chromate

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Mercury dichloride

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Nickel dihydroxide

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: Inc chromate

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: tri-n-butyltin hydride

Test: H14 on R5□, R52, R53, R5□/53, R51/53, R52/53□ for determinand: TPH (C6 to C4□) Petroleum Group

Determinand notes

□□, used on:

determinand: TPH (C6 to C4□) Petroleum Group

Note 1 , used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A , used on:

determinand: Inc chromate

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Inc chromate

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Classification of sample: S1

✔ **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue






Sample details

Sample Name: <input type="checkbox"/> S1 <input type="checkbox"/>	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Determinands (Moisture content: 4 , dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 16367.4 mg/kg or 1.08)
-  Copper (I) oxide: (Cation conc. entered: 27.1 mg/kg, converted to compound conc.: 24.478 mg/kg or 0.025)
-  Mercury dichloride: (Cation conc. entered: 0.268 mg/kg, converted to compound conc.: 0.243 mg/kg or 0.000243)
-  dibutyltin dilaurate: (Whole conc. entered as: 0.015 mg/kg or 0.0000075) **IGNORED because: LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 0.2 mg/kg or 0.000134)

Legend


-  - This determinand has its risk phrases defined and maintained by the user

Notes utilised in assessment

C1 Step , used on:

- Test: H14 on R5 R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
- Test: H14 on R5 R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride
- Test: H14 on R5 R52, R53, R50/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Classification of sample: S1

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue






Sample details

<p>Sample Name: <input type="checkbox"/> S1 <input type="checkbox"/></p> <p>Sample Depth: 0 m</p> <p>Moisture content: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> (dry weight correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)</p>
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Hazard properties

None identified

Determinands (Moisture content: 85%, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 17331.3 mg/kg or 37)
-  Copper (I) oxide: (Cation conc. entered: 46.7 mg/kg, converted to compound conc.: 28.421 mg/kg or 284)
-  Mercury dichloride: (Cation conc. entered: 42 mg/kg, converted to compound conc.: 314 mg/kg or 314)
-  dibutyltin dilaurate: (Whole conc. entered as: 1 5 mg/kg or 568) **IGNORED because: LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 4 mg/kg or 216) **IGNORED because: LOD**

Legend


 - This determinand has its risk phrases defined and maintained by the user

Notes utilised in assessment

C1 **Step** , used on:

- Test: H14 on R5 , R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
- Test: H14 on R5 , R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride

Classification of sample: S1

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: <input type="checkbox"/> S1 <input type="checkbox"/>	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:




lithium: (conc.: 132)

R Danger of cumulative effects


because of determinand:

Lead chromate: (compound conc.: 656)

Determinands (Moisture content: 87 , dry weight correction)

 Aluminium Oxide: (Whole conc. entered as: 2412 mg/kg or 1.2)
 Arsenic trioxide: (Cation conc. entered: 67 mg/kg, converted to compound conc.: 6.44 mg/kg or 64)
 Cadmium sulphide: (Cation conc. entered: 556 mg/kg, converted to compound conc.: 382 mg/kg or 382 , Note 1 conc.: 27)
 Chromium(VI) oxide: (Cation conc. entered: 22 mg/kg, converted to compound conc.: 2774 mg/kg or 28)
 Copper (I) oxide: (Cation conc. entered: 52.1 mg/kg, converted to compound conc.: 31.368 mg/kg or 314)
 Lead chromate: (Cation conc. entered: 78.6 mg/kg, converted to compound conc.: 65.562 mg/kg or 656 , Note 1 conc.: 42)
 lithium: (Whole conc. entered as: 24.7 mg/kg or 132)
 Mercury dichloride: (Cation conc. entered: 434 mg/kg, converted to compound conc.: 314 mg/kg or 314)
 Nickel dihydroxide: (Cation conc. entered: 21. mg/kg, converted to compound conc.: 18.48 mg/kg or 185)
 Zinc chromate: (Cation conc. entered: 235 mg/kg, converted to compound conc.: 348.623 mg/kg or 34)
 dibutyltin dilaurate: (Whole conc. entered as: 131 mg/kg or 71) **IGNORED** because: LOD
 tri-n-butyltin hydride: (Whole conc. entered as: 5 mg/kg or 267)
 TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 358 mg/kg or 11)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

H3-B on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: Lithium
Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Arsenic trioxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Lead chromate
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Nickel dihydroxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Zinc chromate
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Note 1 , used on:

Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
Test: H7 on R45 for determinand: Cadmium sulphide
Test: H1 on R6, R61 for determinand: Lead chromate
Test: H1 on R62, R63 for determinand: Cadmium sulphide
Test: H11 on R68 for determinand: Cadmium sulphide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

TPH (C6 to C4) Petroleum Group , used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1 , used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A , used on:

determinand: Zinc chromate

Note E , used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: Zinc chromate

Classification of sample: S1

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue






Sample details

Sample Name: <input type="checkbox"/> S1 <input type="checkbox"/>	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 111 (dry weight correction)	


Hazard properties

None identified

Determinands (Moisture content: 111, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 2754 mg/kg or 1.38)
-  Copper (I) oxide: (Cation conc. entered: 72 mg/kg, converted to compound conc.: 37.458 mg/kg or 0.375)
-  Mercury dichloride: (Cation conc. entered: 1.13 mg/kg, converted to compound conc.: 0.725 mg/kg or 0.000725)
-  dibutyltin dilaurate: (Whole conc. entered as: 0.157 mg/kg or 0.000000744) **IGNORED because: LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 0.2 mg/kg or 0.00000048)

Legend

-  - This determinand has its risk phrases defined and maintained by the user

Notes utilised in assessment

C1 Step , used on:

- Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
- Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride
- Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Classification of sample: S1

Non Hazardous Waste
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: <input type="checkbox"/> S1 <input type="checkbox"/>	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 11 <input type="checkbox"/> (dry weight correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 0.00067)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 0.585)

PCs/PCTs: (conc.: 0.000014)

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Determinands (Moisture content: 112, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 16348.5 mg/kg or 0.771)
- Arsenic trioxide: (Cation conc. entered: 15. mg/kg, converted to compound conc.: 0.002 mg/kg or 0.000002)
- Cadmium sulphide: (Cation conc. entered: 0.73 mg/kg, converted to compound conc.: 0.443 mg/kg or 0.000443, Note 1 conc.: 0.000344)
- Chromium(VI) oxide: (Cation conc. entered: 21.6 mg/kg, converted to compound conc.: 1.54 mg/kg or 0.00156)
- Copper (I) oxide: (Cation conc. entered: 68.8 mg/kg, converted to compound conc.: 36.538 mg/kg or 0.0365)
- Lead chromate: (Cation conc. entered: 7.5 mg/kg, converted to compound conc.: 58.43 mg/kg or 0.0585, Note 1 conc.: 0.0375)
- lithium: (Whole conc. entered as: 2.5 mg/kg or 0.00067)
- Mercury dichloride: (Cation conc. entered: 1.18 mg/kg, converted to compound conc.: 0.753 mg/kg or 0.000753)
- Nickel dihydroxide: (Cation conc. entered: 18. mg/kg, converted to compound conc.: 14.81 mg/kg or 0.0141)
- inc chromate: (Cation conc. entered: 256 mg/kg, converted to compound conc.: 334.01 mg/kg or 0.335)
- Naphthalene: (Whole conc. entered as: 0.646 mg/kg or 0.00035)
- Phenanthrene: (Whole conc. entered as: 4.15 mg/kg or 0.00106)
- Anthracene: (Whole conc. entered as: 1.47 mg/kg or 0.00063)
- fluoranthene: (Whole conc. entered as: 12.2 mg/kg or 0.00575)
- Pyrene: (Whole conc. entered as: 1.1 mg/kg or 0.000514)
- benzo[a]anthracene: (Whole conc. entered as: 7.35 mg/kg or 0.00347)
- Chrysene: (Whole conc. entered as: 5.81 mg/kg or 0.00274)
- benzo[a]pyrene/ben[def]chrysene: (Whole conc. entered as: 6.6 mg/kg or 0.00316)
- Indeno[123-cd]pyrene: (Whole conc. entered as: 2.5 mg/kg or 0.0013)
- ben[ghi]perylene: (Whole conc. entered as: 3.35 mg/kg or 0.00158)
- ben[b]fluoranthene: (Whole conc. entered as: 7. mg/kg or 0.00377)

- benzo[k]fluoranthene: (Whole conc. entered as: 3.38 mg/kg or 15)
- PCs/PCTs: (Whole conc. entered as: 3162 mg/kg or 14)
- dibutyltin dilaurate: (Whole conc. entered as: 262 mg/kg or 124)
- tri-n-butyltin hydride: (Whole conc. entered as: 3 mg/kg or 142)
- TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 1 1 mg/kg or 481)

Legend

- This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R orce this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided
- H3-A on R15: orce this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided
- H3- on R1 orce this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

- Test: Additional on R14 for determinand: Lithium
- Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Cadmium sulphide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Arsenic trioxide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Chromium(VI) oxide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Copper (I) oxide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Lead chromate
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Mercury dichloride
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Nickel dihydroxide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Zinc chromate
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Naphthalene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Phenanthrene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Anthracene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Fluoranthene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Pyrene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: benzo[a]anthracene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Chrysene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: benzo[a]pyrene benzo[b]chrysene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: benzo[ghi]perylene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: benzo[b]fluoranthene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: benzo[k]fluoranthene
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: PCs/PCTs
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: dibutyltin dilaurate
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: tri-n-butyltin hydride
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Note 1 , used on:

- Test: H5 on R2 , R21, R22, R65 for determinand: Cadmium sulphide
- Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
- Test: H7 on R45 for determinand: Cadmium sulphide
- Test: H1 on R6 , R61 for determinand: Lead chromate
- Test: H1 on R62, R63 for determinand: Cadmium sulphide
- Test: H11 on R68 for determinand: Cadmium sulphide
- Test: H14 on R5 , R52, R53, R5 /53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

□□□, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Zinc chromate

Note C, used on:

determinand: PCBs/PCTs

Note E, used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Zinc chromate

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Classification of sample: Sample 1

✔ **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

<p>Sample Name: Sample 1</p> <p>Sample Depth: 0 m</p> <p>Moisture content: <input type="checkbox"/>1<input type="checkbox"/> (dry weight correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)</p>
--	---

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 211)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 43)

PCs/PCTs: (conc.: 37)


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Determinands (Moisture content: 21, dry weight correction)

- Aluminium Oxide: (Whole conc. entered as: 17463.6 mg/kg or 1.353)
- Arsenic trioxide: (Cation conc. entered: 52 mg/kg, converted to compound conc.: 736 mg/kg or 74)
- Cadmium sulphide: (Cation conc. entered: 3.8 mg/kg, converted to compound conc.: 36 mg/kg or 36, Note 1 conc.: 38)
- Chromium(VI) oxide: (Cation conc. entered: 18.4 mg/kg, converted to compound conc.: 27.4 mg/kg or 274)
- Copper (I) oxide: (Cation conc. entered: 27. mg/kg, converted to compound conc.: 24.332 mg/kg or 243)
- Lead chromate: (Cation conc. entered: 35.6 mg/kg, converted to compound conc.: 43.13 mg/kg or 43, Note 1 conc.: 276)
- lithium: (Whole conc. entered as: 27.2 mg/kg or 211)
- Mercury dichloride: (Cation conc. entered: 17 mg/kg, converted to compound conc.: 27 mg/kg or 27)
- Nickel dihydroxide: (Cation conc. entered: 23. mg/kg, converted to compound conc.: 2241 mg/kg or 22)
- inc chromate: (Cation conc. entered: 12 mg/kg, converted to compound conc.: 277.2 mg/kg or 277)
- Naphthalene: (Whole conc. entered as: 11 mg/kg or 22)
- Acenaphthylene: (Whole conc. entered as: 753 mg/kg or 583)
- Acenaphthene: (Whole conc. entered as: 326 mg/kg or 253)
- luorene: (Whole conc. entered as: 637 mg/kg or 43)
- Phenanthrene: (Whole conc. entered as: 383 mg/kg or 27)
- Anthracene: (Whole conc. entered as: 158 mg/kg or 122)
- luoranthene: (Whole conc. entered as: 4 mg/kg or 77)
- Pyrene: (Whole conc. entered as: 3 mg/kg or 727)
- enanthracene: (Whole conc. entered as: 588 mg/kg or 455)
- Chrysene: (Whole conc. entered as: 51 mg/kg or 458)
- enanthropyrenebenzofluoranthene: (Whole conc. entered as: 71 mg/kg or 557)

Indeno[123-cd]pyrene: (Whole conc. entered as: 0.435 mg/kg or 0.000337)
 Diben[a,h]anthracene: (Whole conc. entered as: 0.113 mg/kg or 0.0000875)
 Ben[ghi]perylene: (Whole conc. entered as: 0.433 mg/kg or 0.000335)
 Ben[b]fluoranthene: (Whole conc. entered as: 0.618 mg/kg or 0.00047)
 Ben[k]fluoranthene: (Whole conc. entered as: 0.318 mg/kg or 0.000246)
 PCBs/PCTs: (Whole conc. entered as: 0.0306 mg/kg or 0.0000307)
 Dibutyltin dilaurate: (Whole conc. entered as: 0.03 mg/kg or 0.0000232) **IGNORED because: LOD**
 Tri-n-butyltin hydride: (Whole conc. entered as: 0.01 mg/kg or 0.00000775)
 TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 0.22 mg/kg or 0.000226)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**
 H3 on R1: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Luorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]pyrene, Ben[b]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PCBs/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Determinand notes

, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1 , used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: Sample 0

 **Hazardous Waste**
Classified as **1000**
in the European Waste Catalogue

Sample details

Sample Name: Sample 0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 05 03 (Soil and stones containing hazardous substances)
Moisture content: 00.00 (dry weight correction)	

Hazard properties

H: Carcinogenic substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.

Risk phrases hit:

R00 (May cause cancer)

because of determinand:

inc chromate: (compound conc.: 116)

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R10 (Reacts violently with water)

because of determinand:

lithium: (conc.: 162)


R00 (Danger of cumulative effects)

because of determinands:

Lead chromate: (compound conc.:)


PCs/PCTs: (conc.: 642)

Determinands (Moisture content: 35.8, dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 1788.3 mg/kg or 1.318)
- Arsenic trioxide: (Cation conc. entered: 8.87 mg/kg, converted to compound conc.: 8.624 mg/kg or 862)
- Cadmium sulphide: (Cation conc. entered: 467 mg/kg, converted to compound conc.: 442 mg/kg or 442, Note 1 conc.: 344)
- Chromium(VI) oxide: (Cation conc. entered: 6 mg/kg, converted to compound conc.: 84.68 mg/kg or 85)
- Copper (I) oxide: (Cation conc. entered: 7.8 mg/kg, converted to compound conc.: 81.84 mg/kg or 811)
- Lead chromate: (Cation conc. entered: 7.1 mg/kg, converted to compound conc.: 855 mg/kg or , Note 1 conc.: 582)
- lithium: (Whole conc. entered as: 22 mg/kg or 162)
- Mercury dichloride: (Cation conc. entered: 1.2 mg/kg, converted to compound conc.: 1.1 mg/kg or 11)
- Nickel dihydroxide: (Cation conc. entered: 33. mg/kg, converted to compound conc.: 342 mg/kg or 34)
- inc chromate: (Cation conc. entered: 568 mg/kg, converted to compound conc.: 116.32 mg/kg or 116)
- Naphthalene: (Whole conc. entered as: 1 mg/kg or 83)
- Acenaphthylene: (Whole conc. entered as: 44 mg/kg or 324)
- Acenaphthene: (Whole conc. entered as: 332 mg/kg or 244)
- luorene: (Whole conc. entered as: 67 mg/kg or 5)

Phenanthrene: (Whole conc. entered as: 0.383 mg/kg or 0.000282)
 Anthracene: (Whole conc. entered as: 0.143 mg/kg or 0.000115)
 Fluoranthene: (Whole conc. entered as: 0.705 mg/kg or 0.00051)
 Pyrene: (Whole conc. entered as: 0.755 mg/kg or 0.000556)
 benzo[a]anthracene: (Whole conc. entered as: 0.434 mg/kg or 0.00032)
 Chrysene: (Whole conc. entered as: 0.467 mg/kg or 0.000344)
 benzo[a]pyrene/ben[def]chrysene: (Whole conc. entered as: 0.45 mg/kg or 0.000365)
 Indeno[123-cd]pyrene: (Whole conc. entered as: 0.201 mg/kg or 0.00014)
 Diben[a,h]anthracene: (Whole conc. entered as: 0.074 mg/kg or 0.0000552)
 benzo[ghi]perylene: (Whole conc. entered as: 0.31 mg/kg or 0.000228)
 benzo[b]fluoranthene: (Whole conc. entered as: 0.418 mg/kg or 0.000308)
 benzo[k]fluoranthene: (Whole conc. entered as: 0.187 mg/kg or 0.000138)
 PCBs/PCTs: (Whole conc. entered as: 0.0872 mg/kg or 0.0000642)
 dibutyltin dilaurate: (Whole conc. entered as: 0.003 mg/kg or 0.00000221) **IGNORED because: LOD**
 tri-n-butyltin hydride: (Whole conc. entered as: 0.2 mg/kg or 0.000147)
 TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 0.168 mg/kg or 0.000124)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R0: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**
 H3- on R1: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: benzo[a]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: benzo[a]pyrene/ben[def]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: benzo[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: benzo[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: benzo[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PCBs/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

- Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
- Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
- Test: H7 on R45 for determinand: Cadmium sulphide
- Test: H1 on R6, R61 for determinand: Lead chromate
- Test: H1 on R62, R63 for determinand: Cadmium sulphide
- Test: H11 on R68 for determinand: Cadmium sulphide
- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

☐☐☐, used on:

determinand: TPH (C6 to C4) Petroleum Group

Note 1, used on:

- determinand: Cadmium sulphide
- determinand: Lead chromate

Note A, used on:

determinand: inc chromate

Note C, used on:


determinand: PCs/PCTs

Note E, used on:

- determinand: Arsenic trioxide
- determinand: Cadmium sulphide
- determinand: Chromium(VI) oxide
- determinand: Nickel dihydroxide
- determinand: inc chromate

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Classification of sample: Sample

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

<p>Sample Name: Sample <input type="checkbox"/></p> <p>Sample Depth: 0 m</p> <p>Moisture content: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> (dry weight correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)</p>
--	---

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:




lithium: (conc.: 341)

R Danger of cumulative effects


because of determinand:

Lead chromate: (compound conc.: 455)

Determinands (Moisture content: 28.2 , dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 45.27 mg/kg or 3.582)
- Arsenic trioxide: (Cation conc. entered: 15. mg/kg, converted to compound conc.: 16.375 mg/kg or 164)
- Cadmium sulphide: (Cation conc. entered: 1.2 mg/kg, converted to compound conc.: 1.2 mg/kg or 1.2 , Note 1 conc.: 15)
- Chromium(VI) oxide: (Cation conc. entered: 42.4 mg/kg, converted to compound conc.: 63.64 mg/kg or 636)
- Copper (I) oxide: (Cation conc. entered: 27.5 mg/kg, converted to compound conc.: 24.151 mg/kg or 242)
- Lead chromate: (Cation conc. entered: 37.4 mg/kg, converted to compound conc.: 45.55 mg/kg or 455 , Note 1 conc.: 22)
- lithium: (Whole conc. entered as: 43.7 mg/kg or 341)
- Mercury dichloride: (Cation conc. entered: 86 mg/kg, converted to compound conc.: 7.6 mg/kg or 8)
- Nickel dihydroxide: (Cation conc. entered: 31.8 mg/kg, converted to compound conc.: 31.17 mg/kg or 32)
- inc chromate: (Cation conc. entered: 11 mg/kg, converted to compound conc.: 257.57 mg/kg or 258)
-  dibutyltin dilaurate: (Whole conc. entered as: 4 mg/kg or 312) **IGNORED** because: LOD
-  tri-n-butyltin hydride: (Whole conc. entered as: 3 mg/kg or 234) **IGNORED** because: LOD

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R **orce this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Arsenic trioxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Lead chromate
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Nickel dihydroxide
Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Zinc chromate

Determinand notes

Note 1, used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A, used on:

determinand: Zinc chromate

Note E, used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: Zinc chromate

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Classification of sample: Sample

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

<p>Sample Name: Sample <input type="checkbox"/></p> <p>Sample Depth: 0 m</p> <p>Moisture content: <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/>1<input type="checkbox"/> (dry weight correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)</p>
--	---

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: **162**)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: **236**)

PCs/PCTs: (conc.: **547**)


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Determinands (Moisture content: 33.1 , dry weight correction)

-  Aluminium Oxide: (Whole conc. entered as: 224 1 mg/kg or 1.6)
- Arsenic trioxide: (Cation conc. entered: 15.7 mg/kg, converted to compound conc.:15.574 mg/kg or **156**)
- Cadmium sulphide: (Cation conc. entered: **312** mg/kg, converted to compound conc.:**3**1 mg/kg or **3** , Note 1 conc.: **234**)
- Chromium(VI) oxide: (Cation conc. entered: 2 mg/kg, converted to compound conc.:41. **1** mg/kg or **41**)
- Copper (I) oxide: (Cation conc. entered: 65. mg/kg, converted to compound conc.:55.745 mg/kg or **557**)
- Lead chromate: (Cation conc. entered: 2 1 mg/kg, converted to compound conc.:235.554 mg/kg or **236** , Note 1 conc.: **151**)
- lithium: (Whole conc. entered as: 21.5 mg/kg or **162**)
- Mercury dichloride: (Cation conc. entered: **2**2 mg/kg, converted to compound conc.:**2**5 mg/kg or **2**5)
- Nickel dihydroxide: (Cation conc. entered: 23 mg/kg, converted to compound conc.:27.2 **4** mg/kg or **273**)
- inc chromate: (Cation conc. entered: 178 mg/kg, converted to compound conc.:37 **8** mg/kg or **371**)
- Naphthalene: (Whole conc. entered as: **3** mg/kg or **232**)
- Acenaphthylene: (Whole conc. entered as: **154** mg/kg or **116**)
- Acenaphthene: (Whole conc. entered as: **2**6 mg/kg or **155**)
- uorene: (Whole conc. entered as: **427** mg/kg or **321**)
- Phenanthrene: (Whole conc. entered as: **21** mg/kg or **165**)
- Anthracene: (Whole conc. entered as: **53** mg/kg or **716**)
- luoranthene: (Whole conc. entered as: **387** mg/kg or **2**1)
- Pyrene: (Whole conc. entered as: **365** mg/kg or **274**)
- en a anthracene: (Whole conc. entered as: **218** mg/kg or **164**)
- Chrysene: (Whole conc. entered as: **1** mg/kg or **15**)
- en a pyrene ben o def chrysene: (Whole conc. entered as: **224** mg/kg or **168**)

Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 13 mg/kg or 14)
 Diben[a,h]anthracene: (Whole conc. entered as: 31 mg/kg or 24)
 Ben[ghi]perylene: (Whole conc. entered as: 141 mg/kg or 16)
 Ben[b]fluoranthene: (Whole conc. entered as: 18 mg/kg or 14)
 Ben[k]fluoranthene: (Whole conc. entered as: 26 mg/kg or 66)
 PC[s]/PCTs: (Whole conc. entered as: 728 mg/kg or 547)
 Dibutyltin dilaurate: (Whole conc. entered as: 62 mg/kg or 466)
 Tri-n-butyltin hydride: (Whole conc. entered as: 8 mg/kg or 61)
 TPH (C6 to C4) Petroleum Group: (Whole conc. entered as: 83 mg/kg or 624)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**
 H3- on R1: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Luorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: inc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: luoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]pyrene, Ben[b]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: TPH (C6 to C4) Petroleum Group

Determinand notes

□□□, used on:

determinand: □TPH (C6 to C4) Petroleum Group□

Note 1, used on:

determinand: □Cadmium sulphide□

determinand: □Lead chromate□

Note A, used on:

determinand: □inc chromate□

Note C, used on:

determinand: □PC□s/PCTs□

Note E, used on:

determinand: □Arsenic trioxide□

determinand: □Cadmium sulphide□

determinand: □Chromium(VI) oxide□

determinand: □Nickel dihydroxide□

determinand: □inc chromate□

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Appendix A: Classifier defined and non CLP determinands

Aluminium Oxide (CAS Number: 1344-28-1)

Comments: Aluminium oxide is naturally occurring, it is not hazardous.
Data source: C&L Inventory database
Data source date: 22/04/2015
Risk Phrases: None.

dibutyltin dilaurate (CAS Number: 77-58-7)

Comments:
Data source: C&L Inventory Database
Data source date: 21/04/2015
Risk Phrases: T R25, n R22, C R34, R43, i R36, Repr Cat 1 R6, N R5/53

tri-n-butyltin hydride (CAS Number: 688-73-3)

Comments:
Data source: C&L Inventory Database
Data source date: 21/04/2015
Risk Phrases: T R25, n R21, i R38, i R36, T R48/23/24/25, N R5/53

TPH (C to C0) Petroleum Group

Comments: Risk phrase data given on page A41
Data source: WM2 3rd edition, 2013
Data source date: 01/08/2013
Risk Phrases: R1, R45, R46, R51/53, R63, R65

Phenanthrene (CAS Number: 85-01-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=10754&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R22, R36, R37, R38, R4, R43, N R5/53

Anthracene (CAS Number: 120-12-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=1112&HarmOnly=no>
Data source date: 08/03/2013
Risk Phrases: R36, R37, R38, R43, N R5/53

Fluoranthene (CAS Number: 206-44-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=56375&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R2, R22, R36, N R5/53

Pyrene (CAS Number: 120-00-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=87484&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R23, N R5/53

Indeno[1,2,3-cd]pyrene (CAS Number: 103-30-5)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=128806&HarmOnly=no>
Data source date: 08/03/2013
Risk Phrases: R4

Benzo[a]perylene (CAS Number: 121-24-2)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=15713&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: N53

Acenaphthylene (CAS Number: 208-06-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=5285&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: R22, R26, R27, R36, R37, R38

Acenaphthene (CAS Number: 83-32-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=133563&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: R36, R37, R38, N53, N51/53

Fluorene (CAS Number: 86-73-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=81845&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: N53, R53

Appendix B: Notes

□□□

from section: 3.4.2 in the document: [WM2 - Hazardous Waste Technical Guidance](#)

If the identity of the oil is unknown, and the petroleum group cannot be established, then the oil contaminating the waste can be classified as non-carcinogenic due to the presence of oil if all three of the following criteria are met:

- the waste contains benzo[a]pyrene (BaP) at a concentration of less than 100 (1/100th) of the TPH concentration (This is the carcinogenic limit specified in table 3.2 of the CLP for BaP)
- this has been determined by an appropriate and representative sampling approach in accordance with the principles set out in Appendix D, and
- the analysis clearly demonstrates, for example by carbon bands or chromatograph, and the laboratory has reasonably concluded that the hydrocarbons present have not arisen from petrol or diesel

□

Additional Risk Phrase Comments

from section: Table 2.2 in the document: [WM2 - Hazardous Waste Technical Guidance](#)

This is an additional risk phrase and such a risk phrase alone will not cause a waste to be hazardous.

C14.3: Step 1

from section: C14.3 in the document: [WM2 - Hazardous Waste Technical Guidance](#)

Identify whether any individual ecotoxic substance is present below a cut-off value shown in Table C14.1

Note 1

from section: 1.1.3.2, Annex VI in the document: [CLP Regulations](#)

The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1987/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

Note A

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as 'compounds' or '...

salts. In this case, the supplier is required to state on the label the correct name, due account being taken of section 1.1.1.4.

Note C

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note E

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Substances with specific effects on human health (see Chapter 4 of Annex VI to Directive 67/548/EEC) that are classified as carcinogenic, mutagenic and/or toxic for reproduction in categories 1 or 2 are ascribed Note E if they are also classified as very toxic (T_v), toxic (T) or harmful (H). For these substances, the risk phrases R2, R21, R22, R23, R24, R25, R26, R27, R28, R3, R68 (harmful), R48 and R65 and all combinations of these risk phrases shall be preceded by the word 'Also'.

Appendix C: Version

Classification utilises the following:

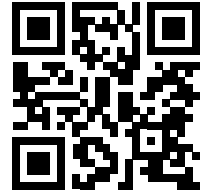
- WM2 - Hazardous Waste Technical Guidance - 3rd Edition (Aug 2013)
Hazardous Waste: Interpretation of the definition and classification of hazardous waste (3rd Edition 2013)
- CLP Regulations - Regulation (EC) No 1272/2008 of 16 December 2008
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1000/45/EC, and amending Regulation (EC) No 1007/2006
- 1st ATP - Regulation (EC) No 707/2006 of 10 August 2006
COMMISSION REGULATION (EC) No 707/2006 of 10 August 2006 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 2nd ATP - Regulation (EC) No 286/2011 of 10 March 2011
COMMISSION REGULATION (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 3rd ATP - Regulation (EU) No 618/2012 of 10 July 2012
COMMISSION REGULATION (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 4th ATP - Regulation (EU) No 487/2013 of 8 May 2013
COMMISSION REGULATION (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Correction to 1st ATP - Regulation (EU) No 758/2013 of 7 August 2013
COMMISSION REGULATION (EU) No 758/2013 of 7 August 2013 correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 5th ATP - Regulation (EU) No 44/2013 of 2 October 2013
COMMISSION REGULATION (EU) No 44/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 6th ATP - Regulation (EU) No 605/2014 of 5 June 2014
COMMISSION REGULATION (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

HazWasteOnline Engine: WM2 version 3 (Aug 2013) plus EPA rule for PCBs

HazWasteOnline Engine Version: 2015.11027005741 (20 Apr 2015)

HazWasteOnline Database: 2015.11027005741 (20 Apr 2015)

Waste Classification Report



SS7D-PR5D-AW8NE

Job name

Wallingstone Harbour - Soil Analysis - Aug 2015

Waste Stream

Wallingstone Harbour - 2015

Comments

Project

Site

Classified by

Name: O'Dwyer, John

Date: 11/08/2015 12:22 UTC

Telephone: 01246 810100

Company:
Lehane Environmental & Industrial
Units 1-2
Wallingstone Ind. Est.
Little Island

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Report

Created by: O'Dwyer, John
Created date: 11/08/2015 12:22 UTC


Job summary

Sample Name	Depth (m)	Classification Result	Hazardous properties	Page
1 Wallingstone Pier 1:30Hrs		Non Hazardous		2

Appendices

Appendix	Page
Appendix A: Classifier defined and non CLP determinands	4
Appendix B: Notes	6
Appendix C: Version	6

Classification of sample: Bantry Pier 10:00Hrs

 **Non Hazardous Waste**
Classified as 1000
in the List of Waste




Sample details

Sample Name: Bantry Pier 10:00Hrs	LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 5 4 (Soil and stones other than those mentioned in 17 5 3)
Moisture content: 000 (no correction)	


Hazard properties

None identified

Determinands (Moisture content: 300, no correction)

-  Aluminium Oxide: (Whole conc. entered as: 2000 mg/kg or 0.200)
- arsenic trioxide: (Cation conc. entered: 24 mg/kg, converted to compound conc.:31.688 mg/kg or 0.00317)
- cadmium sulfide: (Cation conc. entered: 0.1 mg/kg, converted to compound conc.:0.12 mg/kg or 0.00012, Note 1 conc.: 0.0001) **IGNORED because: LOD**
- chromium(VI) oxide: (Cation conc. entered: 18 mg/kg, converted to compound conc.:34.616 mg/kg or 0.00346)
- copper (I) oxide: (Cation conc. entered: 71 mg/kg, converted to compound conc.:7.38 mg/kg or 0.00738)
- mercury dichloride: (Cation conc. entered: 0.1 mg/kg, converted to compound conc.:0.135 mg/kg or 0.000135)
- lithium: (Whole conc. entered as: 54 mg/kg or 0.054)
- nickel dihydroxide: (Cation conc. entered: 15 mg/kg, converted to compound conc.:23.62 mg/kg or 0.00237)
- lead chromate: (Cation conc. entered: 26 mg/kg, converted to compound conc.:4.555 mg/kg or 0.00456, Note 1 conc.: 0.0026)
- selenium compounds (with the exception of cadmium sulfoselenide and sodium selenite): (Cation conc. entered: 0.2 mg/kg, converted to compound conc.:0.3 mg/kg or 0.0003) **IGNORED because: LOD**
- inc chromate: (Cation conc. entered: 7 mg/kg, converted to compound conc.:21.158 mg/kg or 0.021)
-  Total Organic Carbon (TOC): (Whole conc. entered as: 3.1 mg/kg or 0.0031)
- TPH (C6 to C4) petroleum group: (Whole conc. entered as: 0.1 mg/kg or 0.001) **IGNORED because: LOD**
- naphthalene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- acenaphthylene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- acenaphthene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- fluorene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- phenanthrene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- anthracene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- fluoranthene: (Whole conc. entered as: 0.37 mg/kg or 0.00037)
- pyrene: (Whole conc. entered as: 0.33 mg/kg or 0.00033)
- benzo[a]anthracene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- chrysene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- benzo[b]fluoranthene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- benzo[k]fluoranthene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- benzo[a]pyrene/benzo[def]chrysene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- indeno[123-cd]pyrene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- diben[a,h]anthracene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- benzo[ghi]perylene: (Whole conc. entered as: 0.1 mg/kg or 0.0001) **IGNORED because: LOD**
- PAHs (total): (Whole conc. entered as: 0.2 mg/kg or 0.0002) **IGNORED because: LOD**
-  dibutyltin dilaurate: (Whole conc. entered as: 0.1 mg/kg or 0.001) **IGNORED because: LOD**
-  tri-n-butyltin hydride: (Whole conc. entered as: 0.1 mg/kg or 0.001) **IGNORED because: LOD**
- PCs/PCTs: (Whole conc. entered as: 0.001 mg/kg or 0.000001) **IGNORED because: LOD**

Legend

 This determinand has one or more of its Hazard Statements and Risk Phrases defined and maintained by the Classifier

Test Settings

HP 2 on Ox. Sol. 1 H271: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**

HP 3(v) on Water-react. 1 H261, Water-react. 2 H261, Water-react. 3 H261: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

C1: Step

Identify whether any individual ecotoxic substance is present at or above a cut-off value ..., used on:

- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: arsenic trioxide
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: chromium(VI) oxide
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: copper (I) oxide
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: mercury dichloride
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: nickel dihydroxide
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: lead chromate
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: inc chromate
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: fluoranthene
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: pyrene

Note 1, used on:

- Test: HP 5 on STOT SE 2 H371, STOT RE 2 H373 for determinand: lead chromate
- Test: HP 7 on Carc. 1 H35, Carc. 1A H35, Carc. 1 H35, Carc. 1A H35 for determinand: lead chromate
- Test: HP 1 on Repr. 1A H36, Repr. 1 H36, Repr. 1 H36, Repr. 1A H36, Repr. 1A H36D, Repr. 1 H36D, Repr. 1 H36D, Repr. 1A H36D, Repr. 1A H36D, Repr. 1 H36Df, Repr. 1A H36Df for determinand: lead chromate
- Test: HP 14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: lead chromate

Determinand notes

Note 1, used on:

determinand: lead chromate

Note A, used on:

determinand: inc chromate

Appendix A: Classifier defined and non CLP determinands

Aluminium Oxide (CAS Number: 1344-28-1)

Comments: Aluminium oxide is naturally occurring, it is not hazardous.
Data source: C&L Inventory database
Data source date: 22/04/2015
Risk Phrases: None.
Hazard Statements: None.

Total Organic Carbon (TOC) (CAS Number: 744-44-0)

Comments:
Data source: C&L Inventory database
Data source date: 11/11/2014
Risk Phrases: R36, R37
Hazard Statements: None.

TPH (C to C0) petroleum group

Comments: Risk phrase data given on page A41
Data source: WM2 3rd edition, 2013
Data source date: 01/08/2013
Risk Phrases: R10, R45, R46, R51/53, R63, R65
Hazard Statements: Flam. Liq. 3H226, Asp. Tox. 1H304, STOT RE 2H373, Muta. 1H340, Carc. 1H350, Repr. 2H361d, Aquatic Chronic 2H411

acenaphthylene (CAS Number: 208-06-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=50285&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R22, R26, R27, R36, R37, R38
Hazard Statements: Acute Tox. 4H302, Acute Tox. 1H303, Acute Tox. 1H310, Eye Irrit. 2H310, STOT SE 3H335, Skin Irrit. 2H315

acenaphthene (CAS Number: 83-32-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=133563&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R36, R37, R38, N50/53, N51/53
Hazard Statements: Eye Irrit. 2H310, STOT SE 3H335, Skin Irrit. 2H315, Aquatic Acute 1H400, Aquatic Chronic 1H410, Aquatic Chronic 2H411

fluorene (CAS Number: 86-73-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=81845&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: N50/53, R53
Hazard Statements: Aquatic Acute 1H400, Aquatic Chronic 1H410, Aquatic Chronic 4H413

phenanthrene (CAS Number: 85-01-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=100754&HarmOnly=no>
Data source date: 16/07/2012
Risk Phrases: R22, R36, R37, R38, R40, R43, N50/53
Hazard Statements: Acute Tox. 4H302, Eye Irrit. 2H310, STOT SE 3H335, Carc. 2H351, Skin Sens. 1H317, Aquatic Acute 1H400, Aquatic Chronic 1H410, Skin Irrit. 2H315

anthracene (CAS Number: 120-12-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=1112&HarmOnly=no>

Data source date: 08/03/2013

Risk Phrases: R36, R37, R38, R43, N050/53

Hazard Statements: Eye Irrit. 2031, STOT SE 30335, Skin Irrit. 20315, Skin Sens. 10317, Aquatic Acute 10400, Aquatic Chronic 10410

fluoranthene (CAS Number: 206-44-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=56375&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: R20, R22, R36, N050/53

Hazard Statements: Acute Tox. 4032, Acute Tox. 4032, Eye Irrit. 2031, Aquatic Acute 10400, Aquatic Chronic 10410

pyrene (CAS Number: 120-00-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=87484&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: R23, N050/53

Hazard Statements: Acute Tox. 30331, Aquatic Acute 10400, Aquatic Chronic 10410

indeno 1,2,3-cd pyrene (CAS Number: 103-30-5)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=12886&HarmOnly=no>

Data source date: 08/03/2013

Risk Phrases: R40

Hazard Statements: Carc. 20351

benzo[ghi]perylene (CAS Number: 101-24-2)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=15703&HarmOnly=no>

Data source date: 16/07/2012

Risk Phrases: N050/53

Hazard Statements: Aquatic Acute 10400, Aquatic Chronic 10410

PAHs (total)

Comments: Worst case scenario combining risk phrases and substance specific thresholds from benzo[a]pyrene (CLP 601-032-003) and benzo[a]anthracene (CLP 601-033-000)

Data source: 2008/1272/EC Table 3.2 of Annex VI of regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures and 2007/700/EC Annex IV Annex IV of regulation 2007/700/EC - 1st Adaptation to Technical Progress for European Regulation 1272/2008

Data source date: 16/12/2008

Risk Phrases: Carc Cat 2045, Muta Cat 2046, Repr Cat 2060, Repr Cat 2061, R43, N050/53

Hazard Statements: Skin Sens. 10317, Carc. 100350, Muta. 100340, Aquatic Acute 10400 (M0100), Aquatic Chronic 10410 (M0100), Repr. 1003600D

dibutyltin dilaurate (CAS Number: 77-58-7)

Comments:

Data source: C&L Inventory Database

Data source date: 21/04/2015

Risk Phrases: T025, N022, C034, R43, N036, Repr Cat 1060, N050/53

Hazard Statements: Acute Tox. 30301, Acute Tox. 4032, Skin Corr. 1A0314, Skin Sens. 10317, Eye Irrit. 20310, Muta. 20341, Repr. 1A0360, STOT SE 10370, STOT RE 10372

tri-n-butyltin hydride (CAS Number: 688-73-3)

Comments:

Data source: C&L Inventory Database

Data source date: 21/04/2015

Risk Phrases: T₂R₂₅, n₂R₂₁, i₂R₃₈, i₂R₃₆, T₂R_{48/23/24/25}, N₂R_{50/53}

Hazard Statements: Acute Tox. 3_{H301}, Acute Tox. 4_{H312}, Skin Irrit. 2_{H315}, Eye Irrit. 2_{H319}, STOT RE 1_{H372}

Appendix B: Notes

C1: Step

from section: WM3: C14 in the document: [WM3 - Waste Classification](#)

Identify whether any individual ecotoxic substance is present at or above a cut-off value ...

Note 1

from section: 1.1.3.2, Annex VI in the document: [CLP Regulations](#)

The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1000/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

Note A

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as 'compounds' or 'salts'. In this case, the supplier is required to state on the label the correct name, due account being taken of section 1.1.1.4.

Appendix C: Version

Classification utilises the following:

- CLP Regulations - Regulation 1272/2008/EC of 16 December 2008
- 1st ATP - Regulation 707/2007/EC of 10 August 2007
- 2nd ATP - Regulation 286/2011/EC of 10 March 2011
- 3rd ATP - Regulation 618/2012/EU of 10 July 2012
- 4th ATP - Regulation 487/2013/EU of 8 May 2013
- Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
- 5th ATP - Regulation 44/2013/EU of 2 October 2013
- 6th ATP - Regulation 605/2014/EU of 5 June 2014
- WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
- Revised List of Wastes 2014 - Decision 2014/55/EU of 18 December 2014
- WM3 - Waste Classification - May 2015
- 7th ATP - Regulation 2015/1221/EU of 24 July 2015
- POPs Regulation 2004 - Regulation 853/2004/EC of 20 April 2004
- 1st ATP to POPs Regulation - Regulation 756/2011/EU of 24 August 2011
- 2nd ATP to POPs Regulation - Regulation 757/2011/EU of 24 August 2011

HazWasteOnline Engine: WM3 1st Edition, May 2015

HazWasteOnline Engine Version: 2015.253.2054.5048 (10 Sep 2015)

HazWasteOnline Database: 2015.247.2053.5043 (04 Sep 2015)

Waste Classification Report



VT-EG-375-AGV6

Job name

Antrim Harbour - Soil Analysis 2015

Waste Stream

Antrim Harbour - Soil Samples

Comments

Marine Sediment (Dredging spoil material) from Antrim Harbour, Co. Cork

Project

Site

Classified by

Name:

O'Dwyer, John

Date:

20150111 00 UTC

Telephone:

01 850 1000

Company:

Lehane Environmental & Industrial

Units 1-2

Wallingstone Ind. Est.

Little Island

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Report

Created by: O'Dwyer, John

Created date: 2015/01/11 15:02 UTC

Job summary

Sample Name	Depth (m)	Classification Result	Hazardous properties	Page
1 SL2		Non Hazardous		3
2 SL3		Non Hazardous		6
3 SL5		Non Hazardous		
4 SL6		Non Hazardous		12
5 SL7.1		Non Hazardous		15
6 SL7.2		Non Hazardous		18
7 SL7.3		Non Hazardous		21
8 SL7.4		Non Hazardous		24
SL8		Non Hazardous		27
10 SL10		Non Hazardous		30
11 SL11		Non Hazardous		33
12 SL11		Non Hazardous		36
13 SL12		Non Hazardous		30
14 SL13		Non Hazardous		42
15 SL14		Non Hazardous		45
16 SL15		Non Hazardous		48



Appendices	Page
Appendix A: Classifier defined and non CLP determinands	51
Appendix B: Notes	52
Appendix C: Version	53

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Classification of sample: SL0

✔ **Non Hazardous Waste**
Classified as **100**
in the European Waste Catalogue

Sample details

<p>Sample Name: SL0</p> <p>Sample Depth: 0 m</p> <p>Moisture content: 0 (no correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 04 (Soil and stones other than those mentioned in 17 03)</p>
--	---

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 26)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 16)

PCs/PCTs: (conc.: 511)


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Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 8113 mg/kg or 811)
- Arsenic trioxide: (Cation conc. entered: 14.4 mg/kg, converted to compound conc.: 113 mg/kg or 11)
- Cadmium sulphide: (Cation conc. entered: 68 mg/kg, converted to compound conc.: 874 mg/kg or 874, Note 1 conc.: 68)
- Chromium(VI) oxide: (Cation conc. entered: 47.7 mg/kg, converted to compound conc.: 1.732 mg/kg or 117)
- Copper (I) oxide: (Cation conc. entered: 43.2 mg/kg, converted to compound conc.: 48.638 mg/kg or 486)
- Lead chromate: (Cation conc. entered: 58.7 mg/kg, converted to compound conc.: 1.561 mg/kg or 16, Note 1 conc.: 587)
- lithium: (Whole conc. entered as: 26 mg/kg or 26)
- Mercury dichloride: (Cation conc. entered: 2.37 mg/kg, converted to compound conc.: 3.28 mg/kg or 321)
- Nickel dihydroxide: (Cation conc. entered: 23.5 mg/kg, converted to compound conc.: 37.118 mg/kg or 371)
- inc chromate: (Cation conc. entered: 16 mg/kg, converted to compound conc.: 468.831 mg/kg or 46)
- Naphthalene: (Whole conc. entered as: 177 mg/kg or 177)
- Acenaphthylene: (Whole conc. entered as: 447 mg/kg or 447)
- Acenaphthene: (Whole conc. entered as: 65 mg/kg or 65)
- luorene: (Whole conc. entered as: 735 mg/kg or 735)
- Phenanthrene: (Whole conc. entered as: 324 mg/kg or 324)
- Anthracene: (Whole conc. entered as: 117 mg/kg or 117)
- luoranthene: (Whole conc. entered as: 14 mg/kg or 14)
- Pyrene: (Whole conc. entered as: 3 mg/kg or 3)
- enanthracene: (Whole conc. entered as: 618 mg/kg or 618)
- Chrysene: (Whole conc. entered as: 13 mg/kg or 13)
- enanthracenebenzofluoranthene: (Whole conc. entered as: 613 mg/kg or 613)

- Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 344 mg/kg or 344)
 Diben[a,h]anthracene: (Whole conc. entered as: 12 mg/kg or 12)
 ben[ghi]perylene: (Whole conc. entered as: 411 mg/kg or 411)
 ben[b]fluoranthene: (Whole conc. entered as: 785 mg/kg or 785)
 ben[k]fluoranthene: (Whole conc. entered as: 256 mg/kg or 256)
 PC[s]/PCTs: (Whole conc. entered as: 511 mg/kg or 511)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 6 mg/kg or 6)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1 , used on:

- Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Lead chromate

Note C, used on:

determinand: PCBs/PCTs

Note E, used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Lead chromate

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Classification of sample: SL0

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 0.32)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 0.56)

PCs/PCTs: (conc.: 0.000014)


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Determinands (Moisture content: 0, no correction)

-  Aluminium Oxide: (Whole conc. entered as: 6154 mg/kg or 6.15)
- Arsenic trioxide: (Cation conc. entered: 7.77 mg/kg, converted to compound conc.: 1.25 mg/kg or 0.13)
- Cadmium sulphide: (Cation conc. entered: 0.3 mg/kg, converted to compound conc.: 0.386 mg/kg or 0.386, Note 1 conc.: 0.3)
- Chromium(VI) oxide: (Cation conc. entered: 36.7 mg/kg, converted to compound conc.: 7.578 mg/kg or 0.76)
- Copper (I) oxide: (Cation conc. entered: 11.8 mg/kg, converted to compound conc.: 13.285 mg/kg or 0.133)
- Lead chromate: (Cation conc. entered: 35. mg/kg, converted to compound conc.: 55.07 mg/kg or 0.56, Note 1 conc.: 0.35)
- lithium: (Whole conc. entered as: 3.2 mg/kg or 0.32)
- Mercury dichloride: (Cation conc. entered: 0.14 mg/kg, converted to compound conc.: 0.18 mg/kg or 0.18)
- Nickel dihydroxide: (Cation conc. entered: 23.6 mg/kg, converted to compound conc.: 37.276 mg/kg or 0.373)
- inc chromate: (Cation conc. entered: 6 mg/kg, converted to compound conc.: 1.416 mg/kg or 0.141)
- Naphthalene: (Whole conc. entered as: 0.13 mg/kg or 0.00013)
- Acenaphthylene: (Whole conc. entered as: 0.11 mg/kg or 0.00011)
- Acenaphthene: (Whole conc. entered as: 0.388 mg/kg or 0.000388)
- luorene: (Whole conc. entered as: 0.6 mg/kg or 0.0006)
- Phenanthrene: (Whole conc. entered as: 0.24 mg/kg or 0.00024)
- Anthracene: (Whole conc. entered as: 0.142 mg/kg or 0.000142)
- luoranthene: (Whole conc. entered as: 0.64 mg/kg or 0.00064)
- Pyrene: (Whole conc. entered as: 0.07 mg/kg or 0.00007)
- enāanthracene: (Whole conc. entered as: 0.74 mg/kg or 0.00074)
- Chrysene: (Whole conc. entered as: 0.18 mg/kg or 0.00018)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 0.68 mg/kg or 0.00068)

Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 0.033 mg/kg or 0.000033)
 Diben[ah]anthracene: (Whole conc. entered as: 0.01 mg/kg or 0.00001)
 Ben[ghi]perylene: (Whole conc. entered as: 0.448 mg/kg or 0.000448)
 Ben[b]fluoranthene: (Whole conc. entered as: 0.85 mg/kg or 0.00085)
 Ben[k]fluoranthene: (Whole conc. entered as: 0.27 mg/kg or 0.00027)
 PC[is]/PCTs: (Whole conc. entered as: 0.14 mg/kg or 0.00014)
 dibutyltin dilaurate: (Whole conc. entered as: 0.3 mg/kg or 0.0003)
 tri-n-butyltin hydride: (Whole conc. entered as: 0.5 mg/kg or 0.0005)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided
 H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PC[is]/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[ah]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL0

✔ **Non Hazardous Waste**
Classified as **1000**
in the European Waste Catalogue

Sample details

Sample Name: SL0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 38)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 615)

PCs/PCTs: (conc.: 14)


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Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 77468 mg/kg or 7.747)
- Arsenic trioxide: (Cation conc. entered: 8.72 mg/kg, converted to compound conc.:11.513 mg/kg or 115)
- Cadmium sulphide: (Cation conc. entered: 38 mg/kg, converted to compound conc.:488 mg/kg or 488, Note 1 conc.: 38)
- Chromium(VI) oxide: (Cation conc. entered: 43.1 mg/kg, converted to compound conc.:82.886 mg/kg or 82)
- Copper (I) oxide: (Cation conc. entered: 25.4 mg/kg, converted to compound conc.:28.58 mg/kg or 286)
- Lead chromate: (Cation conc. entered: 34 mg/kg, converted to compound conc.:61.457 mg/kg or 615, Note 1 conc.: 34)
- lithium: (Whole conc. entered as: 38 mg/kg or 38)
- Mercury dichloride: (Cation conc. entered: 4.61 mg/kg, converted to compound conc.:6.24 mg/kg or 624)
- Nickel dihydroxide: (Cation conc. entered: 24.4 mg/kg, converted to compound conc.:38.54 mg/kg or 385)
- inc chromate: (Cation conc. entered: 11 mg/kg, converted to compound conc.:28.18 mg/kg or 28)
- Naphthalene: (Whole conc. entered as: 8 mg/kg or 8)
- Acenaphthylene: (Whole conc. entered as: 131 mg/kg or 131)
- Acenaphthene: (Whole conc. entered as: 127 mg/kg or 127)
- luorene: (Whole conc. entered as: 15 mg/kg or 15)
- Phenanthrene: (Whole conc. entered as: 125 mg/kg or 125)
- Anthracene: (Whole conc. entered as: 47 mg/kg or 47)
- luoranthene: (Whole conc. entered as: 474 mg/kg or 474)
- Pyrene: (Whole conc. entered as: 4 mg/kg or 4)
- enanthracene: (Whole conc. entered as: 2 mg/kg or 2)
- Chrysene: (Whole conc. entered as: 465 mg/kg or 465)
- enanthropyrenebenodefchrysene: (Whole conc. entered as: 31 mg/kg or 31)

- Indeno[123-cd]pyrene: (Whole conc. entered as: 173 mg/kg or 173)
 Diben[a,h]anthracene: (Whole conc. entered as: 685 mg/kg or 685)
 ben[ghi]perylene: (Whole conc. entered as: 24 mg/kg or 24)
 ben[b]fluoranthene: (Whole conc. entered as: 383 mg/kg or 383)
 ben[k]fluoranthene: (Whole conc. entered as: 132 mg/kg or 132)
 PC[s]/PCTs: (Whole conc. entered as: 14 mg/kg or 14)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1, used on:

- determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL0

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 326)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 14)

PCs/PCTs: (conc.: 78)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 8526 mg/kg or 8.53)
- Arsenic trioxide: (Cation conc. entered: 15.8 mg/kg, converted to compound conc.: 2861 mg/kg or 2)
- Cadmium sulphide: (Cation conc. entered: 7 mg/kg, converted to compound conc.: 1.15 mg/kg or 12, Note 1 conc.: 7)
- Chromium(VI) oxide: (Cation conc. entered: 54.2 mg/kg, converted to compound conc.: 14.233 mg/kg or 14)
- Copper (I) oxide: (Cation conc. entered: 56 mg/kg, converted to compound conc.: 56.7 mg/kg or 57)
- Lead chromate: (Cation conc. entered: 66.4 mg/kg, converted to compound conc.: 13.572 mg/kg or 14, Note 1 conc.: 664)
- lithium: (Whole conc. entered as: 32.6 mg/kg or 326)
- Mercury dichloride: (Cation conc. entered: 63 mg/kg, converted to compound conc.: 853 mg/kg or 853)
- Nickel dihydroxide: (Cation conc. entered: 26 mg/kg, converted to compound conc.: 42.48 mg/kg or 425)
- inc chromate: (Cation conc. entered: 188 mg/kg, converted to compound conc.: 521.54 mg/kg or 522)
- Naphthalene: (Whole conc. entered as: 143 mg/kg or 143)
- Acenaphthylene: (Whole conc. entered as: 234 mg/kg or 234)
- Acenaphthene: (Whole conc. entered as: 255 mg/kg or 255)
- luorene: (Whole conc. entered as: 3 mg/kg or 3)
- Phenanthrene: (Whole conc. entered as: 338 mg/kg or 338)
- Anthracene: (Whole conc. entered as: 112 mg/kg or 112)
- luoranthene: (Whole conc. entered as: 82 mg/kg or 82)
- Pyrene: (Whole conc. entered as: 841 mg/kg or 841)
- enāanthracene: (Whole conc. entered as: 545 mg/kg or 545)
- Chrysene: (Whole conc. entered as: 57 mg/kg or 57)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 53 mg/kg or 53)

Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 0.32 mg/kg or 0.00032)
 Diben[ah]anthracene: (Whole conc. entered as: 0.116 mg/kg or 0.000116)
 Ben[ghi]perylene: (Whole conc. entered as: 0.37 mg/kg or 0.00037)
 Ben[b]fluoranthene: (Whole conc. entered as: 0.673 mg/kg or 0.000673)
 Ben[k]fluoranthene: (Whole conc. entered as: 0.22 mg/kg or 0.00022)
 PCAs/PCTs: (Whole conc. entered as: 0.078 mg/kg or 0.000078)
 dibutyltin dilaurate: (Whole conc. entered as: 0.1 mg/kg or 0.0001)
 tri-n-butyltin hydride: (Whole conc. entered as: 0.4 mg/kg or 0.0004)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided
 H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PCAs/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[ah]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[ah]pyrene ben[def]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[ah]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1, used on:

Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: inc chromate

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Classification of sample: SL001

✔ **Non Hazardous Waste**
Classified as **1000**
in the European Waste Catalogue

Sample details

Sample Name: SL001	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 323)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 68)

PCs/PCTs: (conc.: 17)


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Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 77868 mg/kg or 7.787)
- Arsenic trioxide: (Cation conc. entered: 11.7 mg/kg, converted to compound conc.:15.448 mg/kg or 154)
- Cadmium sulphide: (Cation conc. entered: 4.34 mg/kg, converted to compound conc.:5.578 mg/kg or 558, Note 1 conc.: 434)
- Chromium(VI) oxide: (Cation conc. entered: 42.2 mg/kg, converted to compound conc.:81.155 mg/kg or 812)
- Copper (I) oxide: (Cation conc. entered: 12.8 mg/kg, converted to compound conc.:14.411 mg/kg or 144)
- Lead chromate: (Cation conc. entered: 3 mg/kg, converted to compound conc.:6.833 mg/kg or 68, Note 1 conc.: 3)
- lithium: (Whole conc. entered as: 32.3 mg/kg or 323)
- Mercury dichloride: (Cation conc. entered: 65 mg/kg, converted to compound conc.:88 mg/kg or 88)
- Nickel dihydroxide: (Cation conc. entered: 24.4 mg/kg, converted to compound conc.:38.54 mg/kg or 385)
- inc chromate: (Cation conc. entered: 78.8 mg/kg, converted to compound conc.:218.63 mg/kg or 21)
- Naphthalene: (Whole conc. entered as: 86 mg/kg or 86)
- Acenaphthylene: (Whole conc. entered as: 115 mg/kg or 115)
- Acenaphthene: (Whole conc. entered as: 35 mg/kg or 35)
- luorene: (Whole conc. entered as: 655 mg/kg or 655)
- Phenanthrene: (Whole conc. entered as: 537 mg/kg or 537)
- Anthracene: (Whole conc. entered as: 216 mg/kg or 216)
- luoranthene: (Whole conc. entered as: 18 mg/kg or 18)
- Pyrene: (Whole conc. entered as: 181 mg/kg or 181)
- enanthracene: (Whole conc. entered as: 13 mg/kg or 13)
- Chrysene: (Whole conc. entered as: 18 mg/kg or 18)
- enanthropyrenebenodefchrysene: (Whole conc. entered as: 13 mg/kg or 13)

- Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 0.832 mg/kg or 0.832)
 Diben[a,h]anthracene: (Whole conc. entered as: 0.346 mg/kg or 0.346)
 Ben[ghi]perylene: (Whole conc. entered as: 0.22 mg/kg or 0.22)
 Ben[b]fluoranthene: (Whole conc. entered as: 0.185 mg/kg or 0.185)
 Ben[k]fluoranthene: (Whole conc. entered as: 0.54 mg/kg or 0.54)
 PC[is]/PCTs: (Whole conc. entered as: 0.17 mg/kg or 0.17)
 Dibutyltin dilaurate: (Whole conc. entered as: 0.1 mg/kg or 0.1)
 Tri-n-butyltin hydride: (Whole conc. entered as: 0.1 mg/kg or 0.1)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[is]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]pyrene, Ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Tri-n-butyltin hydride

Determinand notes

Note 1, used on:

- determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL0□□

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL0□□	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 28)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 427)

PCs/PCTs: (conc.:)

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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 7254 mg/kg or 7.25)
- Arsenic trioxide: (Cation conc. entered: 11.1 mg/kg, converted to compound conc.:14.656 mg/kg or 147)
- Cadmium sulphide: (Cation conc. entered: 37 mg/kg, converted to compound conc.:476 mg/kg or 476 , Note 1 conc.: 37)
- Chromium(VI) oxide: (Cation conc. entered: 42 mg/kg, converted to compound conc.:77.3 mg/kg or 773)
- Copper (I) oxide: (Cation conc. entered: 16.5 mg/kg, converted to compound conc.:18.577 mg/kg or 186)
- Lead chromate: (Cation conc. entered: 27.4 mg/kg, converted to compound conc.:42.73 mg/kg or 427 , Note 1 conc.: 274)
- lithium: (Whole conc. entered as: 28. mg/kg or 28)
- Mercury dichloride: (Cation conc. entered: 34 mg/kg, converted to compound conc.:46 mg/kg or 46)
- Nickel dihydroxide: (Cation conc. entered: 26.8 mg/kg, converted to compound conc.:42.331 mg/kg or 423)
- inc chromate: (Cation conc. entered: 88 mg/kg, converted to compound conc.:244.125 mg/kg or 244)
- Naphthalene: (Whole conc. entered as: 3 mg/kg or 3)
- Acenaphthylene: (Whole conc. entered as: 37 mg/kg or 37)
- Acenaphthene: (Whole conc. entered as: 31 mg/kg or 31)
- luorene: (Whole conc. entered as: 34 mg/kg or 34)
- Phenanthrene: (Whole conc. entered as: 14 mg/kg or 14)
- Anthracene: (Whole conc. entered as: 56 mg/kg or 56)
- luoranthene: (Whole conc. entered as: 455 mg/kg or 455)
- Pyrene: (Whole conc. entered as: 415 mg/kg or 415)
- enāanthracene: (Whole conc. entered as: 373 mg/kg or 373)
- Chrysene: (Whole conc. entered as: 6 mg/kg or 6)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 448 mg/kg or 448)

Indeno[1,23-cd]pyrene: (Whole conc. entered as: 24 mg/kg or 24)
 Diben[1,2,3,4]anthracene: (Whole conc. entered as: 14 mg/kg or 14)
 en[1,2,3,4]ghi[1,2,3]perylene: (Whole conc. entered as: 268 mg/kg or 268)
 en[1,2,3,4]b[1,2,3]fluoranthene: (Whole conc. entered as: 484 mg/kg or 484)
 en[1,2,3,4]k[1,2,3]fluoranthene: (Whole conc. entered as: 171 mg/kg or 171)
 PC[1,2,3]s/PCTs: (Whole conc. entered as: mg/kg or)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

- This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R[1,2,3] orce this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided

H3-A on R15: orce this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: lithium

Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[1,2,3]s/PCTs

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[1,2,3]a[1,2,3]anthracene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[1,2,3]a[1,2,3]pyrene ben[1,2,3]o[1,2,3]def[1,2,3]chrysene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[1,2,3,4]a[1,2,3,4]anthracene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[1,2,3,4]ghi[1,2,3,4]perylene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[1,2,3,4]b[1,2,3,4]fluoranthene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[1,2,3,4]k[1,2,3,4]fluoranthene

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL000

✔ **Non Hazardous Waste**
Classified as **1000**
in the European Waste Catalogue

Sample details

Sample Name: SL000	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 333)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 4)

PCs/PCTs: (conc.: 7)


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Determinands (Moisture content: 0, no correction)

- Aluminium Oxide: (Whole conc. entered as: 8316 mg/kg or 8.316)
- Arsenic trioxide: (Cation conc. entered: 8.4 mg/kg, converted to compound conc.: 11.84 mg/kg or 118)
- Cadmium sulphide: (Cation conc. entered: 28 mg/kg, converted to compound conc.: 36 mg/kg or 36, Note 1 conc.: 28)
- Chromium(VI) oxide: (Cation conc. entered: 46.4 mg/kg, converted to compound conc.: 8232 mg/kg or 82)
- Copper (I) oxide: (Cation conc. entered: 15 mg/kg, converted to compound conc.: 16.888 mg/kg or 16)
- Lead chromate: (Cation conc. entered: 26.2 mg/kg, converted to compound conc.: 4867 mg/kg or 4867, Note 1 conc.: 262)
- lithium: (Whole conc. entered as: 33.3 mg/kg or 333)
- Mercury dichloride: (Cation conc. entered: 8 mg/kg, converted to compound conc.: 18 mg/kg or 18)
- Nickel dihydroxide: (Cation conc. entered: 35 mg/kg, converted to compound conc.: 48.175 mg/kg or 482)
- nick chromate: (Cation conc. entered: 11 mg/kg, converted to compound conc.: 35.156 mg/kg or 35)
- Naphthalene: (Whole conc. entered as: 32 mg/kg or 32)
- Acenaphthylene: (Whole conc. entered as: 2 mg/kg or 2)
- Acenaphthene: (Whole conc. entered as: 24 mg/kg or 24)
- fluorene: (Whole conc. entered as: 2 mg/kg or 2)
- Phenanthrene: (Whole conc. entered as: 266 mg/kg or 266)
- Anthracene: (Whole conc. entered as: 81 mg/kg or 81)
- fluoranthene: (Whole conc. entered as: 585 mg/kg or 585)
- Pyrene: (Whole conc. entered as: 483 mg/kg or 483)
- benz[a]anthracene: (Whole conc. entered as: 27 mg/kg or 27)
- Chrysene: (Whole conc. entered as: 45 mg/kg or 45)
- benz[a]pyrene/benz[b]fluoranthene/chrysene: (Whole conc. entered as: 276 mg/kg or 276)

- Indeno[123-cd]pyrene: (Whole conc. entered as: 126 mg/kg or 126)
 Diben[a,h]anthracene: (Whole conc. entered as: 12 mg/kg or 12)
 ben[ghi]perylene: (Whole conc. entered as: 141 mg/kg or 141)
 ben[b]fluoranthene: (Whole conc. entered as: 265 mg/kg or 265)
 ben[k]fluoranthene: (Whole conc. entered as: 13 mg/kg or 13)
 PC[s]/PCTs: (Whole conc. entered as: 7 mg/kg or 7)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1, used on:

- Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Lead chromate

Note C, used on:

determinand: PCBs/PCTs

Note E, used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Lead chromate

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Classification of sample: SL0□□

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL0□□	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 258)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 577)

PCs/PCTs: (conc.: 7)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 8514 mg/kg or 851)
- Arsenic trioxide: (Cation conc. entered: 14.5 mg/kg, converted to compound conc.: 1145 mg/kg or 111)
- Cadmium sulphide: (Cation conc. entered: 51 mg/kg, converted to compound conc.: 655 mg/kg or 655, Note 1 conc.: 51)
- Chromium(VI) oxide: (Cation conc. entered: 46. mg/kg, converted to compound conc.: 114 mg/kg or 112)
- Copper (I) oxide: (Cation conc. entered: 18.6 mg/kg, converted to compound conc.: 242 mg/kg or 22)
- Lead chromate: (Cation conc. entered: 37 mg/kg, converted to compound conc.: 57.713 mg/kg or 577, Note 1 conc.: 37)
- lithium: (Whole conc. entered as: 25.8 mg/kg or 258)
- Mercury dichloride: (Cation conc. entered: 6 mg/kg, converted to compound conc.: 812 mg/kg or 812)
- Nickel dihydroxide: (Cation conc. entered: 34.1 mg/kg, converted to compound conc.: 53.861 mg/kg or 53)
- inc chromate: (Cation conc. entered: 164 mg/kg, converted to compound conc.: 454.6 mg/kg or 455)
- Naphthalene: (Whole conc. entered as: 21 mg/kg or 21)
- Acenaphthylene: (Whole conc. entered as: 23 mg/kg or 23)
- Acenaphthene: (Whole conc. entered as: 5 mg/kg or 5)
- luorene: (Whole conc. entered as: 23 mg/kg or 23)
- Phenanthrene: (Whole conc. entered as: 22 mg/kg or 22)
- Anthracene: (Whole conc. entered as: 72 mg/kg or 72)
- luoranthene: (Whole conc. entered as: 165 mg/kg or 165)
- Pyrene: (Whole conc. entered as: 166 mg/kg or 166)
- enāanthracene: (Whole conc. entered as: 12 mg/kg or 12)
- Chrysene: (Whole conc. entered as: 45 mg/kg or 45)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 218 mg/kg or 218)

Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 113 mg/kg or 113)
 Diben[a,h]anthracene: (Whole conc. entered as: 8 mg/kg or 8)
 ben[ghi]perylene: (Whole conc. entered as: 137 mg/kg or 137)
 ben[b]fluoranthene: (Whole conc. entered as: 26 mg/kg or 26)
 ben[k]fluoranthene: (Whole conc. entered as: 8 mg/kg or 8)
 PC[s]/PCTs: (Whole conc. entered as: 7 mg/kg or 7)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]pyrene ben[b]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL0

✔ **Non Hazardous Waste**
Classified as **100**
in the European Waste Catalogue

Sample details

Sample Name: SL0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 41.2)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 53.346)


PCs/PCTs: (conc.: 14)

Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 6.57 mg/kg or 6.6)
- Arsenic trioxide: (Cation conc. entered: 13.3 mg/kg, converted to compound conc.:17.56 mg/kg or 176)
- Cadmium sulphide: (Cation conc. entered: 3 mg/kg, converted to compound conc.:1.15 mg/kg or 12, Note 1 conc.: 3)
- Chromium(VI) oxide: (Cation conc. entered: 5 mg/kg, converted to compound conc.:6.156 mg/kg or 62)
- Copper (I) oxide: (Cation conc. entered: 42.1 mg/kg, converted to compound conc.:47.4 mg/kg or 474)
- Lead chromate: (Cation conc. entered: 34.2 mg/kg, converted to compound conc.:53.346 mg/kg or 533, Note 1 conc.: 342)
- lithium: (Whole conc. entered as: 41.2 mg/kg or 41.2)
- Mercury dichloride: (Cation conc. entered: 44 mg/kg, converted to compound conc.:56 mg/kg or 56)
- Nickel dihydroxide: (Cation conc. entered: 31 mg/kg, converted to compound conc.:47.543 mg/kg or 475)
- nick chromate: (Cation conc. entered: 86.8 mg/kg, converted to compound conc.:247.6 mg/kg or 241)
- Naphthalene: (Whole conc. entered as: 16 mg/kg or 16)
- Acenaphthylene: (Whole conc. entered as: 125 mg/kg or 125)
- Acenaphthene: (Whole conc. entered as: 126 mg/kg or 126)
- fluorene: (Whole conc. entered as: 224 mg/kg or 224)
- Phenanthrene: (Whole conc. entered as: 87 mg/kg or 87)
- Anthracene: (Whole conc. entered as: 372 mg/kg or 372)
- fluoranthene: (Whole conc. entered as: 374 mg/kg or 374)
- Pyrene: (Whole conc. entered as: 343 mg/kg or 343)
- benzanthracene: (Whole conc. entered as: 223 mg/kg or 223)
- Chrysene: (Whole conc. entered as: 263 mg/kg or 263)
- benzopyrene/benzofluoranthene/chrysene: (Whole conc. entered as: 2 mg/kg or 2)

Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 116 mg/kg or 116)
 Diben[a,h]anthracene: (Whole conc. entered as: 435 mg/kg or 435)
 ben[ghi]perylene: (Whole conc. entered as: 133 mg/kg or 133)
 ben[b]fluoranthene: (Whole conc. entered as: 242 mg/kg or 242)
 ben[k]fluoranthene: (Whole conc. entered as: 83 mg/kg or 83)
 PC[s]/PCTs: (Whole conc. entered as: 14 mg/kg or 14)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1, used on:

determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL0

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL0	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 268)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 12)

PCs/PCTs: (conc.: 56)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 76356 mg/kg or 7.636)
- Arsenic trioxide: (Cation conc. entered: 14.3 mg/kg, converted to compound conc.:18.881 mg/kg or 18)
- Cadmium sulphide: (Cation conc. entered: 71 mg/kg, converted to compound conc.:13 mg/kg or 13, Note 1 conc.: 71)
- Chromium(VI) oxide: (Cation conc. entered: 57.6 mg/kg, converted to compound conc.:11771 mg/kg or 1111)
- Copper (I) oxide: (Cation conc. entered: 63.8 mg/kg, converted to compound conc.:71.832 mg/kg or 718)
- Lead chromate: (Cation conc. entered: 65.6 mg/kg, converted to compound conc.:12.324 mg/kg or 12, Note 1 conc.: 656)
- lithium: (Whole conc. entered as: 26.8 mg/kg or 268)
- Mercury dichloride: (Cation conc. entered: 3 mg/kg, converted to compound conc.:528 mg/kg or 528)
- Nickel dihydroxide: (Cation conc. entered: 28 mg/kg, converted to compound conc.:47.6 mg/kg or 471)
- inc chromate: (Cation conc. entered: 216 mg/kg, converted to compound conc.:5216 mg/kg or 5)
- Naphthalene: (Whole conc. entered as: 12 mg/kg or 12)
- Acenaphthylene: (Whole conc. entered as: 314 mg/kg or 314)
- Acenaphthene: (Whole conc. entered as: 64 mg/kg or 64)
- luorene: (Whole conc. entered as: 116 mg/kg or 116)
- Phenanthrene: (Whole conc. entered as: 17 mg/kg or 17)
- Anthracene: (Whole conc. entered as: 616 mg/kg or 616)
- luoranthene: (Whole conc. entered as: 617 mg/kg or 617)
- Pyrene: (Whole conc. entered as: 521 mg/kg or 521)
- enanthracene: (Whole conc. entered as: 336 mg/kg or 336)
- Chrysene: (Whole conc. entered as: 642 mg/kg or 642)
- enanthracene pyrene benedifchrysene: (Whole conc. entered as: 333 mg/kg or 333)

Indeno[1,23-cd]pyrene: (Whole conc. entered as: 17 mg/kg or 17)
 Diben[a,h]anthracene: (Whole conc. entered as: 722 mg/kg or 722)
 ben[ghi]perylene: (Whole conc. entered as: 221 mg/kg or 221)
 ben[b]fluoranthene: (Whole conc. entered as: 422 mg/kg or 422)
 ben[k]fluoranthene: (Whole conc. entered as: 41 mg/kg or 41)
 PCs/PCTs: (Whole conc. entered as: 56 mg/kg or 56)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 2 mg/kg or 2)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PCs/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]pyrene ben[def]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1 , used on:

Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: inc chromate

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Classification of sample: SL10

✔ **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL10	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 33.4)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 431)

PCs/PCTs: (conc.: 1)


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Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 87885 mg/kg or 8.78)
- Arsenic trioxide: (Cation conc. entered: 8.77 mg/kg, converted to compound conc.:11.57 mg/kg or 116)
- Cadmium sulphide: (Cation conc. entered: 32 mg/kg, converted to compound conc.:411 mg/kg or 411, Note 1 conc.: 32)
- Chromium(VI) oxide: (Cation conc. entered: 45.6 mg/kg, converted to compound conc.:87.64 mg/kg or 877)
- Copper (I) oxide: (Cation conc. entered: 26.7 mg/kg, converted to compound conc.:361 mg/kg or 31)
- Lead chromate: (Cation conc. entered: 27.6 mg/kg, converted to compound conc.:43.51 mg/kg or 431, Note 1 conc.: 276)
- lithium: (Whole conc. entered as: 33.4 mg/kg or 33.4)
- Mercury dichloride: (Cation conc. entered: 3 mg/kg, converted to compound conc.:46 mg/kg or 46)
- Nickel dihydroxide: (Cation conc. entered: 27.1 mg/kg, converted to compound conc.:42.84 mg/kg or 428)
- nick chromate: (Cation conc. entered: 15 mg/kg, converted to compound conc.:21.285 mg/kg or 21)
- Naphthalene: (Whole conc. entered as: 176 mg/kg or 176)
- Acenaphthylene: (Whole conc. entered as: 185 mg/kg or 185)
- Acenaphthene: (Whole conc. entered as: 126 mg/kg or 126)
- fluorene: (Whole conc. entered as: 200 mg/kg or 200)
- Phenanthrene: (Whole conc. entered as: 741 mg/kg or 741)
- Anthracene: (Whole conc. entered as: 262 mg/kg or 262)
- fluoranthene: (Whole conc. entered as: 324 mg/kg or 324)
- Pyrene: (Whole conc. entered as: 282 mg/kg or 282)
- benzanthracene: (Whole conc. entered as: 182 mg/kg or 182)
- Chrysene: (Whole conc. entered as: 28 mg/kg or 28)
- benzopyrenebenzofluoranthene: (Whole conc. entered as: 177 mg/kg or 177)

- Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 1 mg/kg or 1)
 Diben[a,h]anthracene: (Whole conc. entered as: 378 mg/kg or 378)
 ben[ghi]perylene: (Whole conc. entered as: 115 mg/kg or 115)
 ben[b]fluoranthene: (Whole conc. entered as: 21 mg/kg or 21)
 ben[k]fluoranthene: (Whole conc. entered as: 718 mg/kg or 718)
 PC[s]/PCTs: (Whole conc. entered as: 1 mg/kg or 1)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[def]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1, used on:

- determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL11

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL11	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 25)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 12)

PCs/PCTs: (conc.: 51)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 7578 mg/kg or 7.58)
- Arsenic trioxide: (Cation conc. entered: 15.3 mg/kg, converted to compound conc.:221 mg/kg or 22)
- Cadmium sulphide: (Cation conc. entered: 76 mg/kg, converted to compound conc.:77 mg/kg or 77, Note 1 conc.: 76)
- Chromium(VI) oxide: (Cation conc. entered: 47 mg/kg, converted to compound conc.:386 mg/kg or 4)
- Copper (I) oxide: (Cation conc. entered: 45 mg/kg, converted to compound conc.:55.731 mg/kg or 557)
- Lead chromate: (Cation conc. entered: 65.7 mg/kg, converted to compound conc.:12.48 mg/kg or 12, Note 1 conc.: 657)
- lithium: (Whole conc. entered as: 25 mg/kg or 25)
- Mercury dichloride: (Cation conc. entered: 4 mg/kg, converted to compound conc.:663 mg/kg or 663)
- Nickel dihydroxide: (Cation conc. entered: 24.6 mg/kg, converted to compound conc.:38.856 mg/kg or 38)
- inc chromate: (Cation conc. entered: 23 mg/kg, converted to compound conc.:563.152 mg/kg or 563)
- Naphthalene: (Whole conc. entered as: 8 mg/kg or 8)
- Acenaphthylene: (Whole conc. entered as: 222 mg/kg or 222)
- Acenaphthene: (Whole conc. entered as: 165 mg/kg or 165)
- luorene: (Whole conc. entered as: 218 mg/kg or 218)
- Phenanthrene: (Whole conc. entered as: 2 mg/kg or 2)
- Anthracene: (Whole conc. entered as: 722 mg/kg or 722)
- luoranthene: (Whole conc. entered as: 846 mg/kg or 846)
- Pyrene: (Whole conc. entered as: 68 mg/kg or 68)
- enāanthracene: (Whole conc. entered as: 44 mg/kg or 44)
- Chrysene: (Whole conc. entered as: 814 mg/kg or 814)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 415 mg/kg or 415)

Indeno[1,23-cd]pyrene: (Whole conc. entered as: 24 mg/kg or 24)
 Diben[a,h]anthracene: (Whole conc. entered as: 852 mg/kg or 852)
 ben[ghi]perylene: (Whole conc. entered as: 272 mg/kg or 272)
 ben[b]fluoranthene: (Whole conc. entered as: 522 mg/kg or 522)
 ben[k]fluoranthene: (Whole conc. entered as: 165 mg/kg or 165)
 PCAs/PCTs: (Whole conc. entered as: 51 mg/kg or 51)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 1 mg/kg or 1)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided
 H3-A on R15: Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PCAs/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]pyrene ben[def]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL1

 **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

<p>Sample Name: SL1</p> <p>Sample Depth: 0 m</p> <p>Moisture content: 0 (no correction)</p>	<p>EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)</p> <p>Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)</p>
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Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 257)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 785)

PCs/PCTs: (conc.: 53)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 76734 mg/kg or 7.673)
- Arsenic trioxide: (Cation conc. entered: 13.7 mg/kg, converted to compound conc.: 18.88 mg/kg or 181)
- Cadmium sulphide: (Cation conc. entered: 64 mg/kg, converted to compound conc.: 823 mg/kg or 823, Note 1 conc.: 64)
- Chromium(VI) oxide: (Cation conc. entered: 47.4 mg/kg, converted to compound conc.: 1.155 mg/kg or 12)
- Copper (I) oxide: (Cation conc. entered: 35.4 mg/kg, converted to compound conc.: 3856 mg/kg or 3856)
- Lead chromate: (Cation conc. entered: 53 mg/kg, converted to compound conc.: 78.45 mg/kg or 785, Note 1 conc.: 53)
- lithium: (Whole conc. entered as: 25.7 mg/kg or 257)
- Mercury dichloride: (Cation conc. entered: 4 mg/kg, converted to compound conc.: 541 mg/kg or 541)
- Nickel dihydroxide: (Cation conc. entered: 23. mg/kg, converted to compound conc.: 37.75 mg/kg or 378)
- inc chromate: (Cation conc. entered: 152 mg/kg, converted to compound conc.: 421.67 mg/kg or 422)
- Naphthalene: (Whole conc. entered as: 18 mg/kg or 18)
- Acenaphthylene: (Whole conc. entered as: 4 mg/kg or 4)
- Acenaphthene: (Whole conc. entered as: 882 mg/kg or 882)
- luorene: (Whole conc. entered as: 142 mg/kg or 142)
- Phenanthrene: (Whole conc. entered as: 117 mg/kg or 117)
- Anthracene: (Whole conc. entered as: 376 mg/kg or 376)
- luoranthene: (Whole conc. entered as: 363 mg/kg or 363)
- Pyrene: (Whole conc. entered as: 3 mg/kg or 3)
- enanthracene: (Whole conc. entered as: 2 mg/kg or 2)
- Chrysene: (Whole conc. entered as: 15 mg/kg or 15)
- enanthracene benofdefchrysene: (Whole conc. entered as: 2 mg/kg or 2)

- Indeno[123-cd]pyrene: (Whole conc. entered as: 122 mg/kg or 122)
 Diben[a,h]anthracene: (Whole conc. entered as: 47 mg/kg or 47)
 ben[ghi]perylene: (Whole conc. entered as: 14 mg/kg or 14)
 ben[b]fluoranthene: (Whole conc. entered as: 268 mg/kg or 268)
 ben[k]fluoranthene: (Whole conc. entered as: 856 mg/kg or 856)
 PC[s]/PCTs: (Whole conc. entered as: 53 mg/kg or 53)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 2 mg/kg or 2)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
- H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[s]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[a]pyrene, ben[b]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1, used on:

- Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1, used on:

determinand: Cadmium sulphide

determinand: Lead chromate

Note A, used on:

determinand: Lead chromate

Note C, used on:

determinand: PCBs/PCTs

Note E, used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: Lead chromate

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Classification of sample: SL1

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL1	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 356)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 856)

PCs/PCTs: (conc.: 73)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 5823 mg/kg or 582)
- Arsenic trioxide: (Cation conc. entered: 27 mg/kg, converted to compound conc.:27.331 mg/kg or 273)
- Cadmium sulphide: (Cation conc. entered: 82 mg/kg, converted to compound conc.:1.54 mg/kg or 15, Note 1 conc.: 82)
- Chromium(VI) oxide: (Cation conc. entered: 64.5 mg/kg, converted to compound conc.:124.41 mg/kg or 124)
- Copper (I) oxide: (Cation conc. entered: 36.1 mg/kg, converted to compound conc.:4645 mg/kg or 46)
- Lead chromate: (Cation conc. entered: 54 mg/kg, converted to compound conc.:85.634 mg/kg or 856, Note 1 conc.: 54)
- lithium: (Whole conc. entered as: 35.6 mg/kg or 356)
- Mercury dichloride: (Cation conc. entered: 36 mg/kg, converted to compound conc.:487 mg/kg or 487)
- Nickel dihydroxide: (Cation conc. entered: 31.2 mg/kg, converted to compound conc.:428 mg/kg or 43)
- inc chromate: (Cation conc. entered: 167 mg/kg, converted to compound conc.:463.282 mg/kg or 463)
- Naphthalene: (Whole conc. entered as: 171 mg/kg or 171)
- Acenaphthylene: (Whole conc. entered as: 216 mg/kg or 216)
- Acenaphthene: (Whole conc. entered as: 5 mg/kg or 5)
- luorene: (Whole conc. entered as: 172 mg/kg or 172)
- Phenanthrene: (Whole conc. entered as: 314 mg/kg or 314)
- Anthracene: (Whole conc. entered as: 314 mg/kg or 314)
- luoranthene: (Whole conc. entered as: 518 mg/kg or 518)
- Pyrene: (Whole conc. entered as: 418 mg/kg or 418)
- enāanthracene: (Whole conc. entered as: 184 mg/kg or 184)
- Chrysene: (Whole conc. entered as: 42 mg/kg or 42)
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 27 mg/kg or 27)

Indeno[1,23-cd]pyrene: (Whole conc. entered as: 14 mg/kg or 14)
 Diben[a,h]anthracene: (Whole conc. entered as: 484 mg/kg or 484)
 ben[ghi]perylene: (Whole conc. entered as: 162 mg/kg or 162)
 ben[b]fluoranthene: (Whole conc. entered as: 36 mg/kg or 36)
 ben[k]fluoranthene: (Whole conc. entered as: 2 mg/kg or 2)
 PC's/PCTs: (Whole conc. entered as: 73 mg/kg or 73)
 dibutyltin dilaurate: (Whole conc. entered as: 1 mg/kg or 1)
 tri-n-butyltin hydride: (Whole conc. entered as: 2 mg/kg or 2)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments , used on:

Test: Additional on R14 for determinand: lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step , used on:

Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: PC's/PCTs
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[a]pyrene ben[b]chrysene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[ghi]perylene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R5/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide

determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL1

✔ **Non Hazardous Waste**
Classified as **1 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL1	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 0 4 (Soil and stones other than those mentioned in 17 0 3)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 32.3)

R Danger of cumulative effects

because of determinands:

Lead chromate: (compound conc.: 27.3)

PCs/PCTs: (conc.: 7)


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Determinands (Moisture content: , no correction)

- Aluminium Oxide: (Whole conc. entered as: 4122 mg/kg or 412)
- Arsenic trioxide: (Cation conc. entered: 11.1 mg/kg, converted to compound conc.:14.656 mg/kg or 147)
- Cadmium sulphide: (Cation conc. entered: 0.26 mg/kg, converted to compound conc.:0.334 mg/kg or 0.334, Note 1 conc.: 0.26)
- Chromium(VI) oxide: (Cation conc. entered: 5.5 mg/kg, converted to compound conc.:7.117 mg/kg or 71)
- Copper (I) oxide: (Cation conc. entered: 1.1 mg/kg, converted to compound conc.:11.371 mg/kg or 114)
- Lead chromate: (Cation conc. entered: 17.5 mg/kg, converted to compound conc.:27.27 mg/kg or 273, Note 1 conc.: 175)
- lithium: (Whole conc. entered as: 32.3 mg/kg or 32.3)
- Mercury dichloride: (Cation conc. entered: mg/kg, converted to compound conc.:0.122 mg/kg or 0.122)
- Nickel dihydroxide: (Cation conc. entered: 28.6 mg/kg, converted to compound conc.:45.174 mg/kg or 452)
- inc chromate: (Cation conc. entered: 68.7 mg/kg, converted to compound conc.:105.84 mg/kg or 105)
- Naphthalene: (Whole conc. entered as: 8 mg/kg or 8)
- Acenaphthylene: (Whole conc. entered as: 132 mg/kg or 132)
- Acenaphthene: (Whole conc. entered as: 5 mg/kg or 5)
- luorene: (Whole conc. entered as: 156 mg/kg or 156)
- Phenanthrene: (Whole conc. entered as: 66 mg/kg or 66)
- Anthracene: (Whole conc. entered as: 42 mg/kg or 42)
- luoranthene: (Whole conc. entered as: 212 mg/kg or 212)
- Pyrene: (Whole conc. entered as: 26 mg/kg or 26)
- enanthracene: (Whole conc. entered as: 154 mg/kg or 154)
- Chrysene: (Whole conc. entered as: 4 mg/kg or 4)
- enanthracenebenzofluoranthene: (Whole conc. entered as: 15 mg/kg or 15)

- Indeno[1,2,3-cd]pyrene: (Whole conc. entered as: 0.0003 mg/kg or 0.0000003)
 Diben[a,h]anthracene: (Whole conc. entered as: 0.0001 mg/kg or 0.0000001)
 Ben[ghi]perylene: (Whole conc. entered as: 0.0003 mg/kg or 0.0000003)
 Ben[b]fluoranthene: (Whole conc. entered as: 0.176 mg/kg or 0.0000176)
 Ben[k]fluoranthene: (Whole conc. entered as: 0.074 mg/kg or 0.0000074)
 PC[is]/PCTs: (Whole conc. entered as: 0.0007 mg/kg or 0.0000007)
 Dibutyltin dilaurate: (Whole conc. entered as: 0.17 mg/kg or 0.000017)
 Tri-n-butyltin hydride: (Whole conc. entered as: 0.01 mg/kg or 0.000001)

Legend

 - This determinand has its risk phrases defined and maintained by the user

Test Settings

- H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

- Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

- Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: PC[is]/PCTs
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[a]pyrene, Ben[b]chrysene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Diben[a,h]anthracene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[ghi]perylene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[b]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Ben[k]fluoranthene
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R57/53, R51/53, R52/53 for determinand: Tri-n-butyltin hydride

Determinand notes

Note 1, used on:

- determinand: Cadmium sulphide
 determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide

determinand: Cadmium sulphide


determinand: Chromium(VI) oxide

determinand: Nickel dihydroxide

determinand: inc chromate

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Classification of sample: SL1

 **Non Hazardous Waste**
Classified as **1 0 0 0**
in the European Waste Catalogue

Sample details

Sample Name: SL1	EWC Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0 m	Entry: 17 04 (Soil and stones other than those mentioned in 17 03)
Moisture content: 0 (no correction)	

Hazard properties

None identified

Additional: Additional Risk Phrases This is an additional risk phrase and such a risk phrases alone will not cause a waste to be hazardous.

Risk phrases hit:

R1 Reacts violently with water

because of determinand:

lithium: (conc.: 377)

R Danger of cumulative effects


because of determinands:

Lead chromate: (compound conc.: 251)

PCs/PCTs: (conc.: 7)


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Determinands (Moisture content: , no correction)

-  Aluminium Oxide: (Whole conc. entered as: 14121 mg/kg or 1412)
- Arsenic trioxide: (Cation conc. entered: 14.8 mg/kg, converted to compound conc.:1541 mg/kg or 115)
- Cadmium sulphide: (Cation conc. entered: 4.2 mg/kg, converted to compound conc.:538 mg/kg or 54, Note 1 conc.: 42)
- Chromium(VI) oxide: (Cation conc. entered: 78.6 mg/kg, converted to compound conc.:151.157 mg/kg or 151)
- Copper (I) oxide: (Cation conc. entered: 22.8 mg/kg, converted to compound conc.:25.67 mg/kg or 257)
- Lead chromate: (Cation conc. entered: 16.1 mg/kg, converted to compound conc.:25.113 mg/kg or 251, Note 1 conc.: 161)
- lithium: (Whole conc. entered as: 37.7 mg/kg or 377)
- Mercury dichloride: (Cation conc. entered: 4 mg/kg, converted to compound conc.:541 mg/kg or 541)
- Nickel dihydroxide: (Cation conc. entered: 37 mg/kg, converted to compound conc.:58.441 mg/kg or 584)
- inc chromate: (Cation conc. entered: 255 mg/kg, converted to compound conc.:77.47 mg/kg or 77)
- Naphthalene: (Whole conc. entered as: 32 mg/kg or 32)
- Acenaphthylene: (Whole conc. entered as: 1 mg/kg or 1)
- Acenaphthene: (Whole conc. entered as: 1 mg/kg or 1)
- luorene: (Whole conc. entered as: 25 mg/kg or 25)
- Phenanthrene: (Whole conc. entered as: 23 mg/kg or 23)
- Anthracene: (Whole conc. entered as: 25 mg/kg or 25)
- luoranthene: (Whole conc. entered as: 33 mg/kg or 33)
- Pyrene: (Whole conc. entered as: 34 mg/kg or 34)
- enāanthracene: (Whole conc. entered as: 31 mg/kg or 31)
- Chrysene: (Whole conc. entered as: 1 mg/kg or 1) **IGNORED** because: **LOD**
- enāpyrenebenōdefchrysene: (Whole conc. entered as: 4 mg/kg or 4)

Indeno[1,23-cd]pyrene: (Whole conc. entered as: 0.0001 mg/kg or 0.00000001) **IGNORED** because: **LOD**
 Diben[1,ah]anthracene: (Whole conc. entered as: 0.0001 mg/kg or 0.00000001) **IGNORED** because: **LOD**
 Ben[1,ghi]perylene: (Whole conc. entered as: 0.0001 mg/kg or 0.00000001) **IGNORED** because: **LOD**
 Ben[1,bb]fluoranthene: (Whole conc. entered as: 0.0034 mg/kg or 0.00000034)
 Ben[1,kk]fluoranthene: (Whole conc. entered as: 0.0028 mg/kg or 0.00000028)
 PCAs/PCTs: (Whole conc. entered as: 0.0007 mg/kg or 0.00000007)
 dibutyltin dilaurate: (Whole conc. entered as: 0.01 mg/kg or 0.00000001)
 tri-n-butyltin hydride: (Whole conc. entered as: 0.01 mg/kg or 0.00000001)

Legend

 This determinand has its risk phrases defined and maintained by the user

Test Settings

H2 on R1: **Force this test to non hazardous because: Not considered to be an oxidising material due to the low concentration of this compound found in the sample provided**
 H3-A on R15: **Force this test to non hazardous because: Not considered to be a flammable material due to the low concentration of this compound found in the sample provided**

Notes utilised in assessment

Additional Risk Phrase Comments, used on:

Test: Additional on R14 for determinand: Lithium
 Test: Additional on R33 for determinand: Lead chromate

C1 Step, used on:

Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Fluorene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Arsenic trioxide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Chromium(VI) oxide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Copper (I) oxide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Lead chromate
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Mercury dichloride
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Nickel dihydroxide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Zinc chromate
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: PCAs/PCTs
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Naphthalene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Acenaphthene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Phenanthrene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Anthracene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Fluoranthene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Pyrene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Ben[1,ah]anthracene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Ben[1,ah]pyrene ben[1,cd]chrysene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Ben[1,bb]fluoranthene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Ben[1,kk]fluoranthene
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: dibutyltin dilaurate
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: tri-n-butyltin hydride

Note 1, used on:

Test: H5 on R2, R21, R22, R65 for determinand: Cadmium sulphide
 Test: H6 on R23, R24, R25 for determinand: Cadmium sulphide
 Test: H7 on R45 for determinand: Cadmium sulphide
 Test: H1 on R6, R61 for determinand: Lead chromate
 Test: H1 on R62, R63 for determinand: Cadmium sulphide
 Test: H11 on R68 for determinand: Cadmium sulphide
 Test: H14 on R5, R52, R53, R50/53, R51/53, R52/53 for determinand: Cadmium sulphide

Determinand notes

Note 1 , used on:

determinand: Cadmium sulphide
determinand: Lead chromate

Note A , used on:

determinand: inc chromate

Note C , used on:

determinand: PCs/PCTs

Note E , used on:

determinand: Arsenic trioxide
determinand: Cadmium sulphide
determinand: Chromium(VI) oxide
determinand: Nickel dihydroxide
determinand: inc chromate

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Appendix A: Classifier defined and non CLP determinands

Aluminium Oxide (CAS Number: 1344-28-1)

Comments: Aluminium oxide is naturally occurring, it is not hazardous.

Data source: C&L Inventory database

Data source date: 22/4/2015

Risk Phrases: None.

Acenaphthylene (CAS Number: 208-06-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=285&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: R22, R26, R27, R36, R37, R38

Acenaphthene (CAS Number: 83-32-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=133563&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: N53, R51/53, R36, R37, R38

Fluorene (CAS Number: 86-73-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=81845&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: N53, R53

Phenanthrene (CAS Number: 85-01-8)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=1754&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: N53, R22, R36, R37, R38, R40, R43

Anthracene (CAS Number: 120-12-7)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=112&HarmOnly=no>

Data source date: 8/3/2013

Risk Phrases: N53, R36, R37, R38, R43

Fluoranthene (CAS Number: 206-44-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=56375&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: R20, R22, R36, N53

Pyrene (CAS Number: 120-00-0)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=87484&HarmOnly=no>

Data source date: 16/7/2012

Risk Phrases: R23, N53

Indeno[1,2,3-cd]pyrene (CAS Number: 133-33-5)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=128816&HarmOnly=no>
Data source date: 8/3/2013
Risk Phrases: R4

Benzo[ghi]perylene (CAS Number: 11-24-2)

Comments: Risk phrase data taken from European Chemicals Agency's Classification & Labelling Inventory
Data source:
<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=15713&HarmOnly=no>
Data source date: 16/7/2012
Risk Phrases: N R5/53

dibutyltin dilaurate (CAS Number: 77-58-7)

Comments:
Data source: C&L Inventory Database
Data source date: 21/4/2015
Risk Phrases: T R25, n R22, C R34, R43, i R36, Repr Cat 1 R6, N R5/53

tri-n-butyltin hydride (CAS Number: 688-73-3)

Comments:
Data source: C&L Inventory Database
Data source date: 21/4/2015
Risk Phrases: T R25, n R21, i R38, i R36, T R48/23/24/25, N R5/53

Appendix B: Notes

Additional Risk Phrase Comments

from section: Table 2.2 in the document: [WM2 - Hazardous Waste Technical Guidance](#)

This is an additional risk phrase and such a risk phrase alone will not cause a waste to be hazardous.

C14.3: Step 1

from section: C14.3 in the document: [WM2 - Hazardous Waste Technical Guidance](#)

Identify whether any individual ecotoxic substance is present below a cut-off value shown in Table C14.1

Note 1

from section: 1.1.3.2, Annex VI in the document: [CLP Regulations](#)

The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 145/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

Note A

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Without prejudice to Article 17(2), the name of the substance must appear on the label in the form of one of the designations given in Part 3. In Part 3, use is sometimes made of a general description such as "compounds" or "salts". In this case, the supplier is required to state on the label the correct name, due account being taken of section 1.1.1.4.

Note C

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note E

from section: 1.1.3.1, Annex VI in the document: [CLP Regulations](#)

Substances with specific effects on human health (see Chapter 4 of Annex VI to Directive 67/548/EEC) that are classified as carcinogenic, mutagenic and/or toxic for reproduction in categories 1 or 2 are ascribed Note E if they are also classified as very toxic (T+), toxic (T) or harmful (n). For these substances, the risk phrases R2, R21, R22, R23,

R24, R25, R26, R27, R28, R30, R68 (harmful), R48 and R65 and all combinations of these risk phrases shall be preceded by the word 'Also'

Appendix C: Version

Classification utilises the following:

- WM2 - Hazardous Waste Technical Guidance - 3rd Edition (Aug 2013)
Hazardous Waste: Interpretation of the definition and classification of hazardous waste (3rd Edition 2013)
- CLP Regulations - Regulation (EC) No 1272/2008 of 16 December 2008
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1000/45/EC, and amending Regulation (EC) No 1007/2006
- 1st ATP - Regulation (EC) No 700/2006 of 10 August 2006
COMMISSION REGULATION (EC) No 700/2006 of 10 August 2006 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 2nd ATP - Regulation (EC) No 286/2011 of 10 March 2011
COMMISSION REGULATION (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 3rd ATP - Regulation (EU) No 618/2012 of 10 July 2012
COMMISSION REGULATION (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 4th ATP - Regulation (EU) No 487/2013 of 8 May 2013
COMMISSION REGULATION (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Correction to 1st ATP - Regulation (EU) No 758/2013 of 7 August 2013
COMMISSION REGULATION (EU) No 758/2013 of 7 August 2013 correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 5th ATP - Regulation (EU) No 1044/2013 of 2 October 2013
COMMISSION REGULATION (EU) No 1044/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- 6th ATP - Regulation (EU) No 605/2014 of 5 June 2014
COMMISSION REGULATION (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

HazWasteOnline Engine: WM2 version 3 (Aug 2013) plus EPA rule for PCBs

HazWasteOnline Engine Version: 2015.110.2780.5740 (20 Apr 2015)

HazWasteOnline Database: 2015.110.2780.5740 (20 Apr 2015)

Sediment Release Response Plan



Attachment 1 to EP-23: Template Sediment Release Response Plan. May be modified to make site-specific

Rev: 04

21.10.2013

Purpose:	To provide guidance on the management of a sediment release into a waterway.
Scope:	All sites and activities.
Responsibility:	All personnel
Regulatory Requirements:	<p>Local Government (Water Pollution) Act, 1977 and Amendment Act, 1994 and regulations</p> <p>Fisheries (Consolidation) Act, 1959 and Amendment Act, 1994</p> <p>European Communities (Quality of Salmonid Waters) Regulations 1988</p> <p>European Communities (Quality of Shellfish Waters) Regulations 2006 (amend) 2006</p> <p>Fisheries Inland Act 2010</p> <p>European Communities (Environmental Liability) Regulations 2008</p> <p>European Communities Environmental Objections (Surface Water) Regulations 2000</p> <p>European Communities Environmental Objections (Ground Water) Regulations 2000</p>
Management Requirement:	<p>Runoff of sediment from earth works can smother aquatic stream life including vegetation, invertebrates & fish eggs. Such pollution is a breach of Irish legislation. Project planning must take account of the need to contain and limit the impact of sediment releases through a quick, coordinated response. In all cases, the first priority should be to control the source of pollution by:</p> <ul style="list-style-type: none">controlling runoff from the site, which will otherwise erode exposed soil, haul roads and stockpilesdewatering excavations in a controlled mannerinstalling appropriate sediment control measures to treat runoff prior to discharge from site andusing best practice methodologies when working in or near water <p>For further information on sediment controls refer to EP-10 Surface Water Control and the Emergency Environmental Plan (EEP).</p> <p>If there is potential for sediment to pollute watercourses on, adjacent or downstream of the site emergency sediment release response plan must be developed and referenced in the Environmental Management Plan (EMP). A template Sediment Release Response Plan is attached to this procedure.</p> <p>Materials and resources must be available on site to quickly install additional control measures and/or improve existing control measures, including:</p> <ul style="list-style-type: none">Geotextile fabric or lining exposed surfaces, wrapping straw bales and/or constructing sediment fencesClean stone to line drainage lines, culverts, or sediment pond outflow points and install check damsStraw bales to install as check dams in drainage lines and sediment traps, or as filter stripsPumps to divert sediment laden water or pump it to alternative control measuresVehicles & Plant to transport and install the materials, dig diversion channels <p>An Emergency Response Co-ordinator must be nominated on site.</p>
References:	<p>CIRIA 532 - Water Pollution</p> <p>CIRIA 648 - Control of Water Pollution from Linear Construction Projects</p> <p>MDOT (Michigan Department of Transportation) - Construction Site Soil Erosion and Pollution Prevention Pocket Guide</p> <p>NRA – Guidelines for the Crossing of Watercourses during the Construction of National Road Schemes</p>
Attachments:	Template – Sediment Release Response Plan

Sediment Release Response Plan



Attachment 1 to EP-23: Template Sediment Release Response Plan. May be modified to make site-specific

Rev: 04

21.10.2013

Emergency Response Co-ordinator:

Mob:


Health, Safety, & Environmental (HSE) Officer:

Mob:


WATER POLLUTION CAUSED BY SEDIMENT RELEASE IS AN OFFENCE AND MUST BE RECTIFIED IMMEDIATELY.

On the discovery of any sediment release to a watercourse, or where there is an imminent threat of sediment being released to a watercourse:

1. Report the incident immediately to the Management Team, HSE officer and Emergency Response Co-ordinator
2. Try to identify the source of pollution and stop the flow into the watercourse:-
 - If water is being pumped, turn off the pump and/or divert flow to an alternative sediment control, vegetative area, drainage channel or area for retention
 - If there is capacity in the drainage system to retain the sediment-laden water, plug the drainage channel outflow until alternative sediment controls are installed
3. If materials are available (*i.e. floating sediment curtains*) and it is safe to do so, install control measures in the watercourse to prevent the sediment spreading or flowing downstream. (*Sediment curtains must be anchored to the bank and weighted down or anchored to the streambed / sea floor*).
4. Inspect the existing sediment control facilities to ascertain whether they are operating effectively. Make any necessary repairs to improve performance of the existing controls. E.g. replace straw bales, repair gaps in sediment fences and dig into the ground or top up stone check dams
5. Install additional control measures to treat the sediment laden water, such as:-
 - Sediment traps or ponds
 - Check dams in the drainage line using clean stone or straw bales or
 - Sediment fences
6. If sediment laden water has been successfully retained but is not clearing, or the capacity of the control measures is likely to be exceeded, the water should be pumped to a bowser
7. Where required, water samples should be taken up and downstream of the sediment discharge point
8. The Site Management Team shall notify the relevant authority and neighbours, and complete an Environmental Incident Report (*if required*)

EP-09	Noise and Vibration Control			
Note: Always print or copy to double-sided pages	PROC. NO: EP-09	REV: 02	DATE: 03.11.2014	PAGE: 1/2

Purpose:	To provide guidance on control measures to minimise the adverse impacts of noise and vibration during construction activities.
Scope:	All sites and activities.
Responsibility:	Contract/Project Manager and Environmental Management Representative
Regulatory Requirements: <ul style="list-style-type: none"> • Local Government Planning & Development Acts, 1963 – 2007 (amend) 2008 • Environmental Protection Agency Acts 1992-2003 • Road Traffic (Construction, Equipment and Use of Vehicles) Regulations, 1963 – 2005 • European Communities (Construction Plant and Equipment Permissible Noise Levels) Regulations, 1988 - 1996 • European Communities (Noise Emission by Equipment for use Outdoors) Regulations, 2001-2006 • Environmental Noise Regs 2006 	
For health and safety legislation, refer to the Health and Safety Plan and associated risk assessments and procedures.	
Management Procedure: <p>Noise and vibration have the potential to be a nuisance to neighbours and cause damage to property. The control measures required to mitigate noise and vibration will depend on the:</p> <ul style="list-style-type: none"> • Activities being undertaken and their potential to generate noise and vibration; and • Location of sensitive receptors adjacent the site (e.g. residents, businesses, schools, hospitals). <p>Generally, the primary method of controlling noise and vibration is to restrict the hours of operation at the site. Good maintenance of equipment and site planning can also help to minimise impacts.</p> <p>Note that the perceived impact of the works on sensitive receptors (and associated complaints) can be significantly reduced by establishing good communications with neighbours and keeping them well informed with regard to:</p> <ul style="list-style-type: none"> • Particularly noisy activities; • The duration of such activities; and • Activities undertaken outside the normal hours of operation (particularly at night). <p>Some or all of the control measures in this procedure may be attached or included in method statements and/or included in the site specific EMP. Other measures not listed below may be more effective for particular activities or sites, and if adopted on site, must be specified in the EMP or method statement.</p> <p>For assistance in implementing any control measures or further information contact the Site SHE Officer or Environmental Coordinator.</p>	
Control Measures: <p>Noise and vibration reduction measures may be undertaken as follows:</p> <ul style="list-style-type: none"> • Plan the working hours and duration of work with consideration for the effects of noise/vibration on any noise sensitive receiver; • Locate haul routes away from sensitive receivers and maintain road surfaces to reduce vehicle noise; • Ensure the use of the least noisiest plant suitable for the activity; • Avoid simultaneous use of noisy equipment where reasonably practicable; • Ensure plant and equipment that is used intermittently will be shut down or throttled down to a minimum between work periods; • Locate plant known to emit noise strongly in one direction so that noise is directed away from sensitive receivers; • Ensure that plant and equipment are maintained and lubricated as per the manufacturers instructions to avoid 	

EP-09	Noise and Vibration Control			
Note: Always print or copy to double-sided pages	PROC. NO: EP-09	REV: 02	DATE: 03.11.2014	PAGE: 2/2

rattling of loose parts, frictional noise etc;

- Handle materials carefully to avoid noise caused by dropping from height, throwing materials (eg scaffold poles);
- Where other measures are inadequate controlling noise and vibration at source, through the provision of barriers or acoustic cabins and/or use of resilient mountings. Annex B of BS 5228: 2009 provides examples of acoustic enclosures.

For further information on reducing noise refer to Annex B of BS 5228: 2009 – Noise sources, remedies and their effectiveness, particularly Table B.1 which provides methods of reducing sound levels for different types of plant and equipment.

For additional information on acoustic screens refer to CIRIA SP38 – The use of screens to reduce noise from sites.

For works on any NRA contract refer to the NRA Guidelines for the treatment of noise and vibration in National Road Schemes.

Monitoring

Routine noise and/or vibration monitoring at noise sensitive receivers may be undertaken to ensure noise or vibration is not causing a nuisance or, in the case of vibration, damage to adjacent buildings. Maximum noise and vibration levels emitted from the site as a whole may be specified in the contract / planning approval for the project. Monitoring is required to ensure levels do not exceed these limit values, and that action is taken to improve performance where noise and vibration does approach or exceed the limit.

Assessments of noise may be undertaken by two methods:

1. Continuous monitoring using a meter and data logger, with results downloaded at regular intervals;
2. Taking readings with a hand-held monitor.

Vibration measurements are usually taken using a continuous vibration meter.

Such assessments are usually only undertaken when specified as a specific requirement in the contract or by the relevant authority, and/or where a high risk has been identified due to the receptors adjacent the site or the nature of the activities (e.g. blasting, piling). Measurements are usually assessed at the site boundary or 1m from the façade of the affected building. These assessments would only be undertaken by a 'competent' person **as outlined in the Environmental Protection Agency Guidance Note for Noise: Licence applications, surveys and assessments in relation to scheduled activities (NG4). In the event that a BAM site have a competent person and decide to carry out their own noise assessments, a site specific procedure for the measure of construction related noise must be produced and approved prior to the commencement of monitoring.**

Maximum sound power levels for most types of construction equipment are also specified in the European Communities (Noise Emission by Equipment for use Outdoors) Regulations, 2001-2006

All noise and vibration equipment to be accompanied by calibration certification **which states compliance with relevant standards e.g. IEC 61672 for noise and IEC 60068 for vibration**

References:


BRE Environment (2003) Controlling particles, vapour and noise pollution from construction sites. BRE Publishing

BS 5228: 2009 Noise and vibration control on construction and open sites Part 1: 2009 Noise. Part 2: 2009 Vibration

CIRIA SP38 (1985) The use of screens to reduce noise from sites.


EPA Ireland (2012) Guidance Note for Noise: Licence applications, surveys and assessments in relation to scheduled activities (NG4).

Irish Statute Book – www.irishstatutebook.ie


EP-09	Noise and Vibration Control			
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NRA (2004) Guidelines for the treatment of noise and vibration in National Road Schemes.

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EP-08	Air Pollution Control			
Note: Always print or copy to double-sided pages		PROC. NO: EP-08	REV: 02	DATE: 22.03.2013
PAGE: 1/3				

Purpose:	To provide guidance on control measures to minimise the adverse impacts of air pollution during construction activities.
Scope:	All sites and activities, particularly site preparation, earthworks, haul routes and material storage.
Responsibility:	Contract/Project Manager, Foreman, HSE Officer
Regulatory Requirements: <ul style="list-style-type: none"> • Air Pollution Act, 1987 • Road Traffic (Construction and Use of Vehicles) Regulations, 1963 - 2005 • Air Pollution Act, 1987 (Air Quality Standards) Regulations, 1987 • Environmental Protection Agency Act, 1992 (Control of Volatile Organic Compound Emissions resulting from Petrol Storage and Distribution) Regulations, 1997 • Air Pollution Act, 1987 (Petroleum Vapour Emissions) Regulations, 1997 and amend 2007 • European Communities (Control of emissions of gaseous and particulate pollutants from non-road mobile machinery) Regs 2007 • Air Pollution Act, (Marketing, sale and distribution of fuels)(Amendment) Regulations 2012 	
Definitions (from Air Pollution Act, 1987): "Air pollution" in this Act means a condition of the atmosphere in which a pollutant is present in such a quantity as to be liable to — <ul style="list-style-type: none"> (i) be injurious to public health, or (ii) have a deleterious effect on flora or fauna or damage property, or (iii) impair or interfere with amenities or with the environment. 	
Management Procedure: Air pollution control measures must be implemented from the commencement of site activities and will be required for the duration of construction. The control measures required to mitigate air pollution will depend on the: <ul style="list-style-type: none"> • activities being undertaken and their potential to generate emissions and dust; • weather conditions; and • location of sensitive receptors adjacent the site (e.g. residents, businesses, schools, hospitals, flora and fauna habitat, agricultural land). <p>Note that additional control measures may be required to comply with the conditions of an Integrated Pollution Prevention Control (IPPC) Licence or Waste Licence, relating to emissions to air, if working within a licensed facility.</p> <p>Some or all of the control measures in this procedure may be attached or included in method statements and/or included in the site specific EMP. Other measures not listed below may be more effective for particular activities or sites, and if adopted on site, must be specified in the EMP or method statement.</p> <p>For assistance in implementing any control measures or further information contact the Site HSE Officer or Environmental Coordinator.</p>	
Emissions Control Measures: BAM Contractors shall use best practicable means to limit and if possible prevent air emissions. This includes; <ul style="list-style-type: none"> • Operating and maintain equipment in a manner that ensures that smoke, visible vapour, grit, sparks, ashes, cinders or oily substances are not emitted; • No burning of any material on site; • That best practicable means should be used to ensure air emissions do not exceed the air quality standards e.g. During the use of generators and heavy plant/equipment; • Ensuring that mobile containers for the transportation of fuel are designed so that residual vapours are retained in 	

EP-08	Air Pollution Control			
Note: Always print or copy to double-sided pages	PROC. NO: EP-08	REV: 02	DATE: 22.03.2013	PAGE: 2/3

the container after the unloading of fuel;

- Mobile containers should also be operated and maintained in accordance with the requirements of the regulations.

Dust Control Measures

The generation of dust particles shall be minimised on site through the implementation of the following measures:

- Minimising the area of disturbed ground and the time for which ground is disturbed, by retaining vegetation and topsoil where possible and replacing topsoil and reseeded as soon as possible after work is completed;
- Damping down haul roads with water bowsers as required during windy and/or dry conditions;
- Limiting plant and vehicle movement to designated haul roads;
- Providing stabilised site access at site entry points;
- Placing aggregate or other stabilising material on heavily travelled haul roads;
- Employing road sweepers to remove dust from public roads;
- Cleaning footpaths and gutters with hand brooms and shovels;

Water must NOT be used to wash dirt off roads and footpaths except where the polluted water can be directed to a sediment interceptor or similar control measure prior to discharge to stormwater or surface waters

- Damping down temporary stockpiles during windy and/or dry conditions;
- Stabilising long-term stockpiles by seeding, surfacing with vegetation or covering with tarpaulins;
- Damping down material when crushing rock during windy and/or dry conditions;
- Ceasing operation during extremely windy and/or dry conditions when other measures are not effective.

For further advice or information contact the Site HSE Officer or Environmental Coordinator.

Monitoring

Monitoring of emissions and dust levels may be undertaken through visual inspections and assessments of the air quality surrounding the site. Visual inspections are undertaken on site by the HSE Officer, Foreman and Site Manager.

If emissions of smoke from plant or equipment last for 10 seconds or longer the machine should be powered down and inspected or serviced to improve performance. Any plant or equipment that is consistently emitting smoke must be replaced.

If significant levels of dust are observed additional control measures must be implemented immediately – primarily by damping down the source of the dust.

Assessments of air quality may be undertaken by two methods:

1. Testing dust deposition rates by collecting dust over a period of time (usually a month) and analysis in a laboratory;
2. Taking readings with a hand-held monitor.


Such assessments are usually only undertaken when specified as a specific requirement in the contract or by the relevant authority, and/or where a very high risk has been identified due to the receptors adjacent the site.

References:

BRE Environment (2003) Controlling particles, vapour and noise pollution from construction sites. BRE Publishing

BRE Environment (2003) Control of dust from construction and demolition activities. BRE Publishing

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Attachment 1: Dust deposition monitoring



Dust Control

